

Data File : VU031125.D
Acq On : 12 Apr 2019 13:13
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 117 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Apr 12 23:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	498072	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	485904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	240087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	225090	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.26%
7) Chloroethane-d5	1.67	69	173928	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.08%
11) 1,1-Dichloroethene-d2	2.27	63	385213	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
21) 2-Butanone-d5	4.17	46	351096	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.64	84	360609	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
26) 1,2-Dichloroethane-d4	5.30	65	229400	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
32) Benzene-d6	5.33	84	720753	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.32	67	238642	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.18%
41) Toluene-d8	7.56	98	646782	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	7.85	79	110071	49.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.32%
47) 2-Hexanone-d5	8.31	63	218809	98.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331853	50.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	237692	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	208185	47.585	ug/L	100
3) Chloromethane	1.32	50	248942	43.990	ug/L	99
5) Vinyl chloride	1.40	62	255966	46.726	ug/L	94
6) Bromomethane	1.62	94	130638	46.030	ug/L	95
8) Chloroethane	1.69	64	153142	49.015	ug/L	99
9) Trichlorofluoromethane	1.88	101	331932	52.003	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	174266	48.863	ug/L	98
12) 1,1-Dichloroethene	2.28	96	165359	48.029	ug/L	91
13) Acetone	2.32	43	349263	96.860	ug/L	99
14) Carbon disulfide	2.47	76	480985	44.971	ug/L	99
15) Methyl Acetate	2.61	43	277392	49.615	ug/L	100
16) Methylene chloride	2.69	84	209713	50.141	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	178825	48.917	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	611716	49.955	ug/L	99
19) 1,1-Dichloroethane	3.44	63	375053	49.714	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	211061	52.289	ug/L	91
22) 2-Butanone	4.25	43	430402	101.803	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	103184	54.072	ug/L	92
25) Chloroform	4.67	83	383912	50.632	ug/L	100
27) 1,2-Dichloroethane	5.40	62	297844	51.467	ug/L	98
29) Cyclohexane	4.99	56	323280	46.680	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	312084	52.702	ug/L	99
31) Carbon tetrachloride	5.13	117	270578	53.024	ug/L	100
33) Benzene	5.38	78	808810	50.866	ug/L	100
34) Trichloroethene	6.18	95	198651	50.937	ug/L	94
35) Methylcyclohexane	6.41	83	306009	50.843	ug/L	96
37) 1,2-Dichloropropane	6.43	63	221055	49.096	ug/L	100
38) Bromodichloromethane	6.75	83	280973	51.728	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	332452	51.876	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	709101	97.936	ug/L	98
42) Toluene	7.63	91	847839	52.235	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	301492	53.383	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	199240	52.176	ug/L	96
46) Tetrachloroethene	8.23	164	151217	53.332	ug/L	99
48) 2-Hexanone	8.36	43	576305	102.021	ug/L	96
49) Dibromochloromethane	8.47	129	216384	53.403	ug/L	99
50) 1,2-Dibromoethane	8.58	107	213707	51.719	ug/L	97
51) Chlorobenzene	9.12	112	524906	52.728	ug/L	96
52) Ethylbenzene	9.24	91	911002	51.491	ug/L	100
53) m,p-Xylene	9.37	106	325765	52.794	ug/L	99
54) o-xylene	9.77	106	325258	52.993	ug/L	100
55) Styrene	9.79	104	580442	55.134	ug/L	100
56) Isopropylbenzene	10.16	105	864779	53.515	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	354206	51.282	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	282520	52.391	ug/L	98
61) Bromoform	9.95	173	160758	50.686	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	379477	50.010	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	389990	50.528	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	394019	51.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76048	47.000	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	280223	50.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	238926	50.675	ug/L	99
69) Naphthalene	13.74	128	771723	50.490	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	255169	51.799	ug/L	98

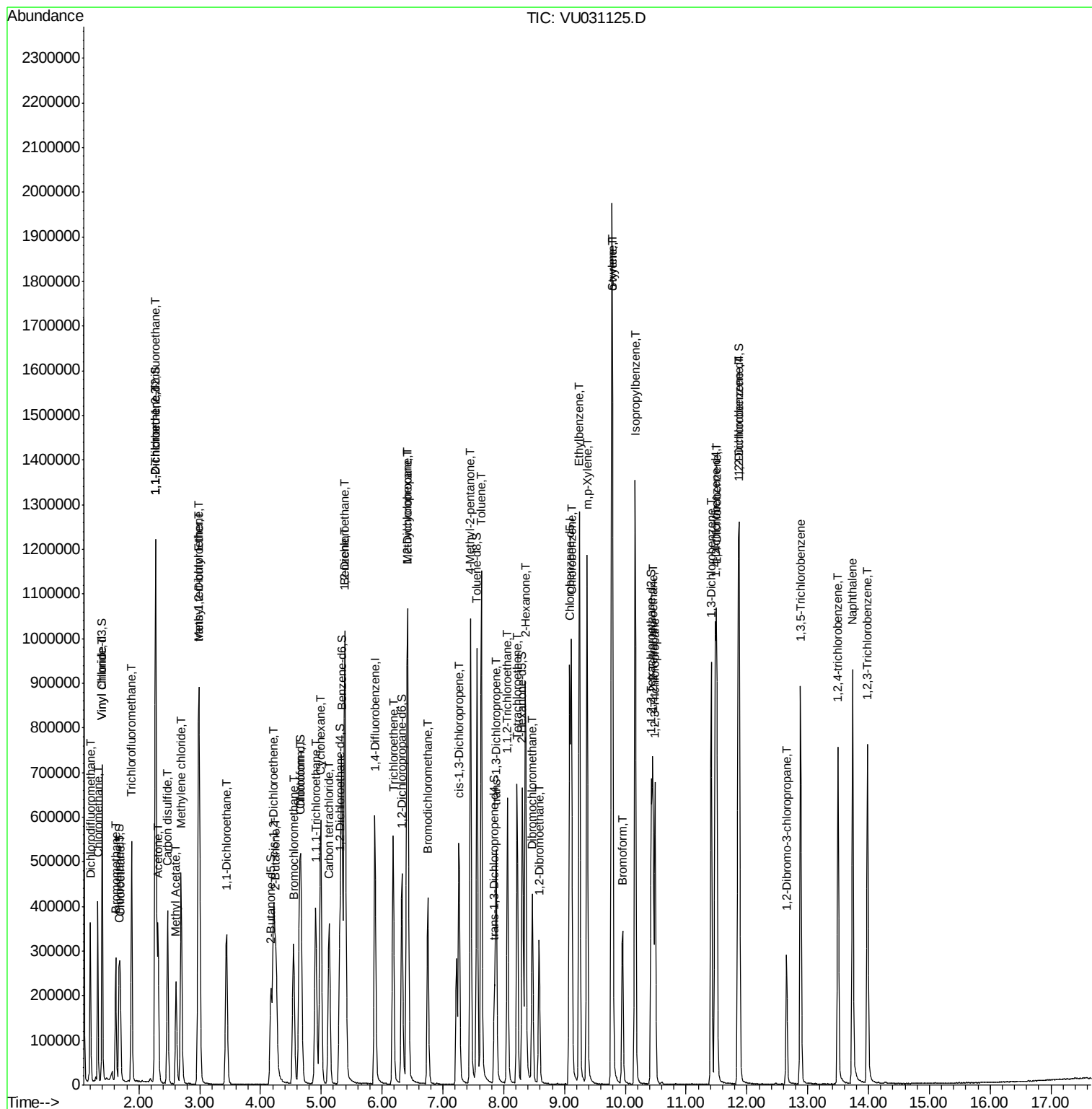
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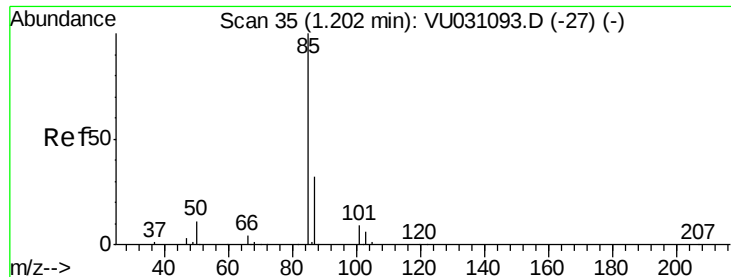
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#2

Dichlorodifluoromethane

Concen: 47.585 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

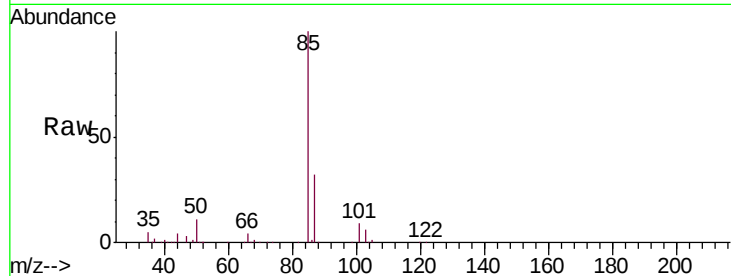
VSTD05032

Tgt Ion: 85 Resp: 208185

Ion Ratio Lower Upper

85 100

87 31.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU031125.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU031125.D (-1) (-)

1.20

200000

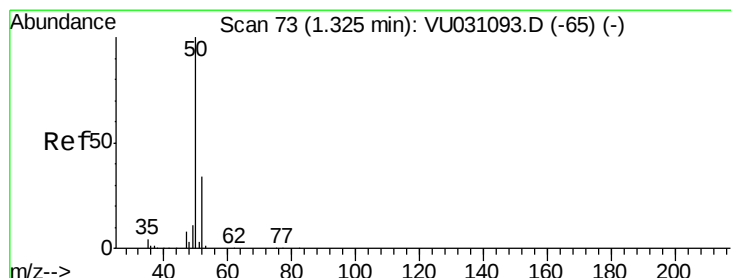
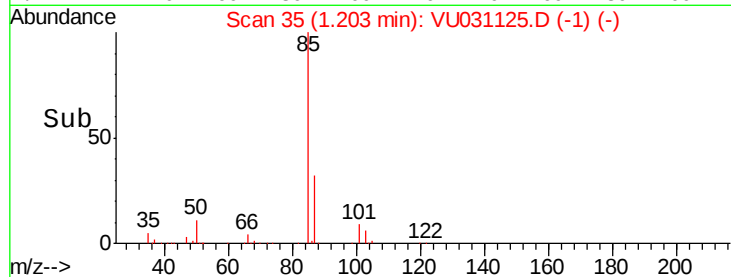
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.990 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031125.D

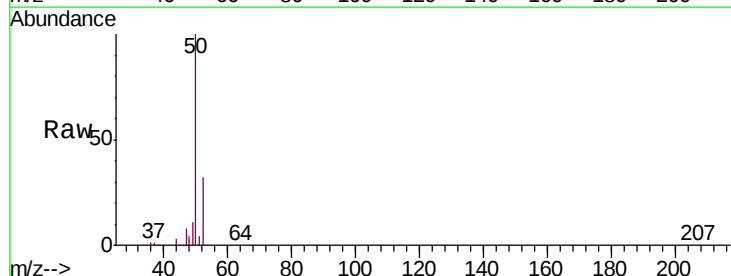
Acq: 12 Apr 2019 13:13

Tgt Ion: 50 Resp: 248942

Ion Ratio Lower Upper

50 100

52 31.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU031125.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU031125.D (-1) (-)

1.32

300000

250000

200000

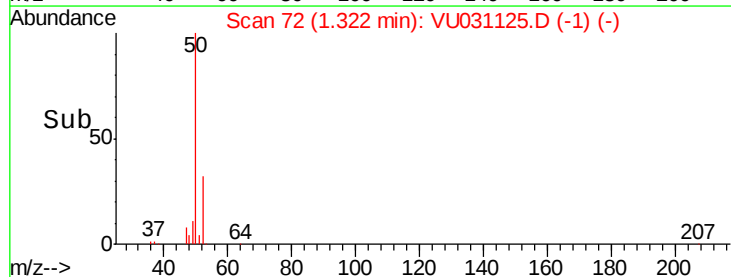
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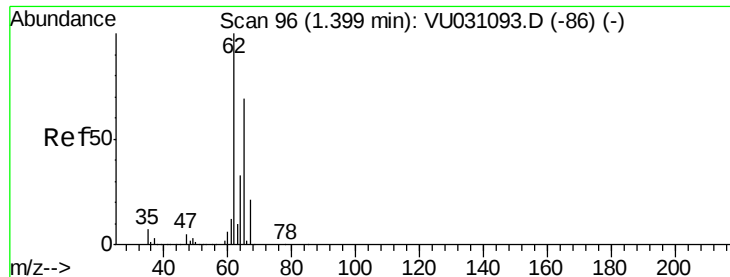
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.726 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

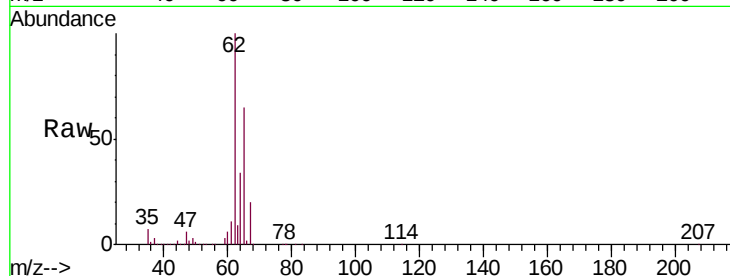
VSTD05032

Tgt Ion: 62 Resp: 255966

Ion Ratio Lower Upper

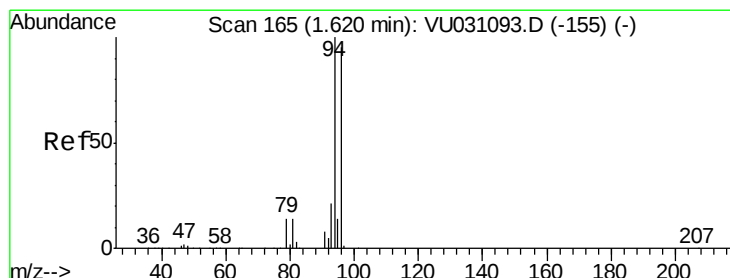
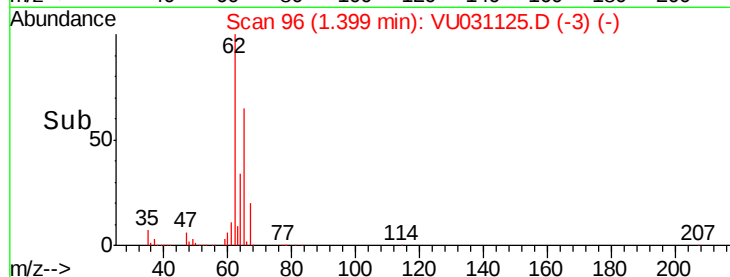
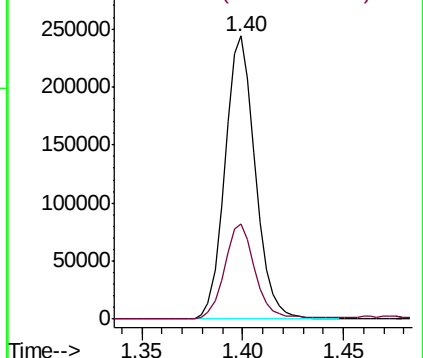
62 100

64 33.7 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU031125.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU031125.D (-86) (-)



#6

Bromomethane

Concen: 46.030 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU031125.D

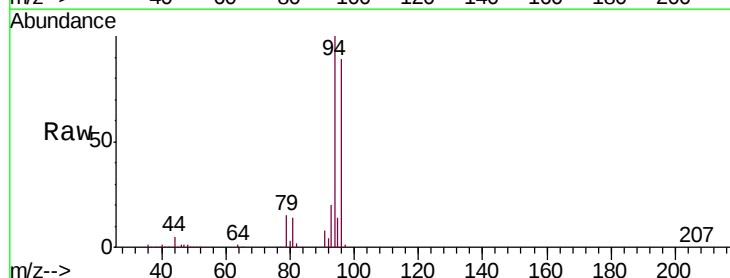
Acq: 12 Apr 2019 13:13

Tgt Ion: 94 Resp: 130638

Ion Ratio Lower Upper

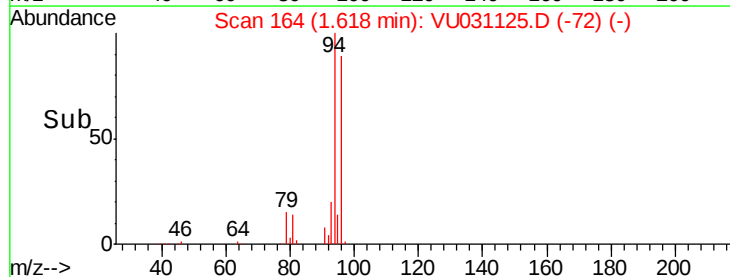
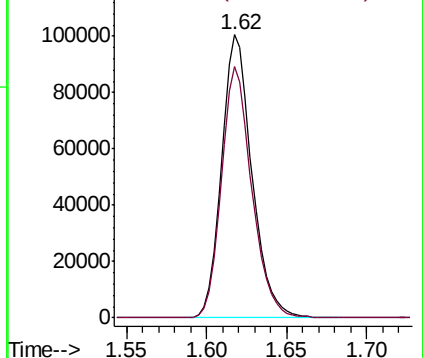
94 100

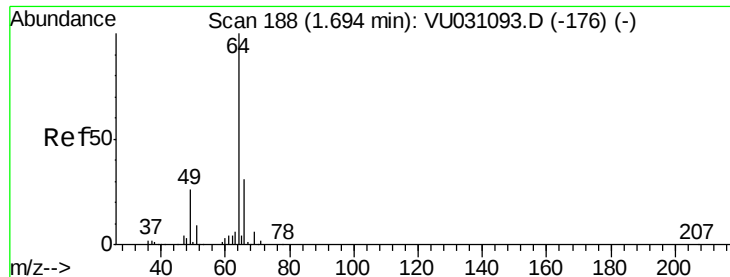
96 88.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU031125.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU031125.D (-155) (-)

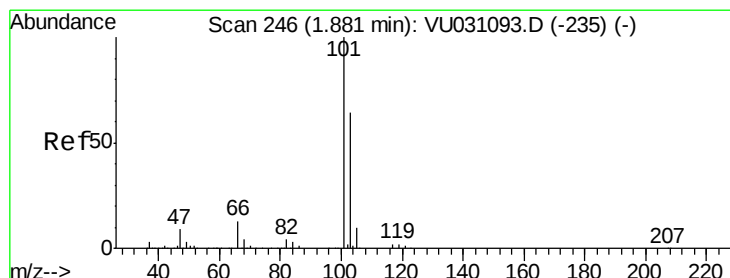
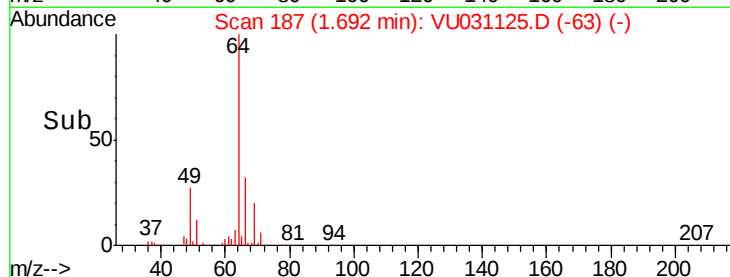
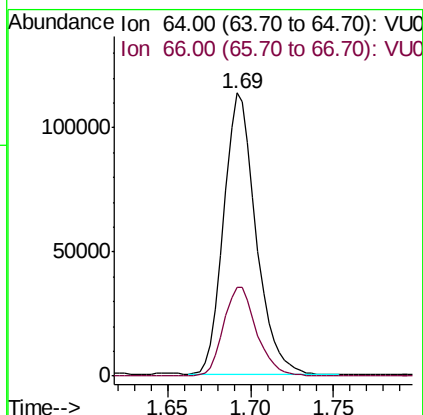
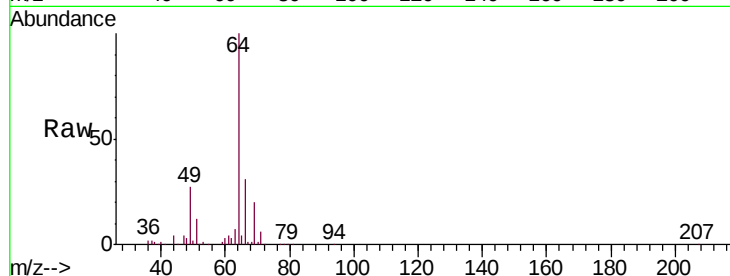




#8
Chloroethane
Concen: 49.015 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

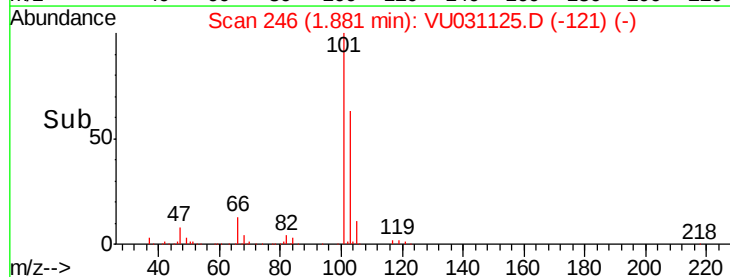
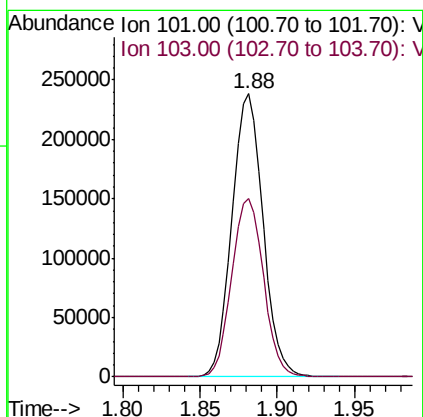
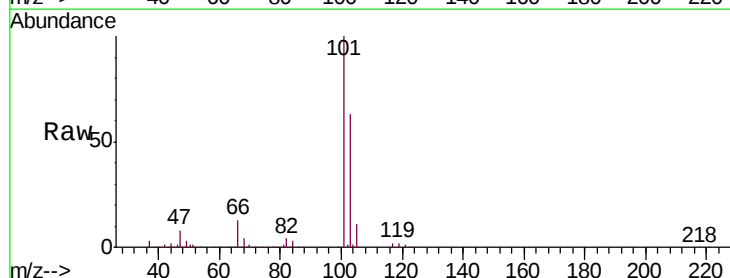
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

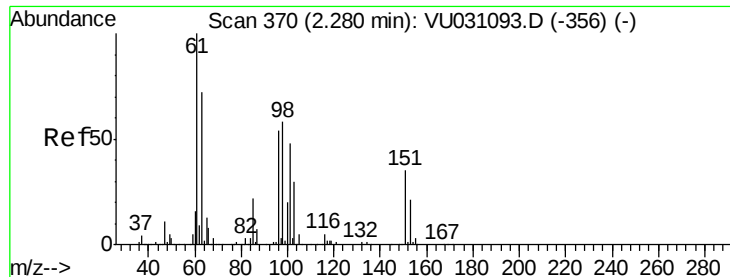
Tgt Ion: 64 Resp: 153142
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 52.003 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Tgt Ion: 101 Resp: 331932
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.863 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

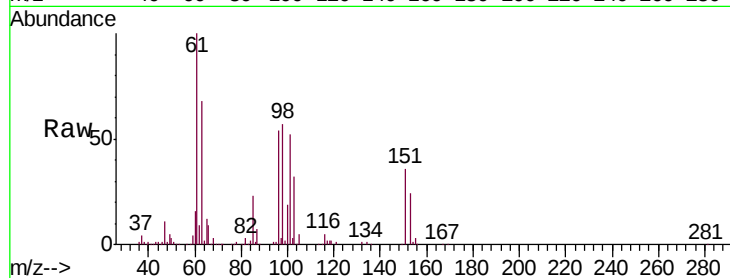
Tgt Ion:101 Resp: 174266

Ion Ratio Lower Upper

101 100

85 45.2 36.8 55.2

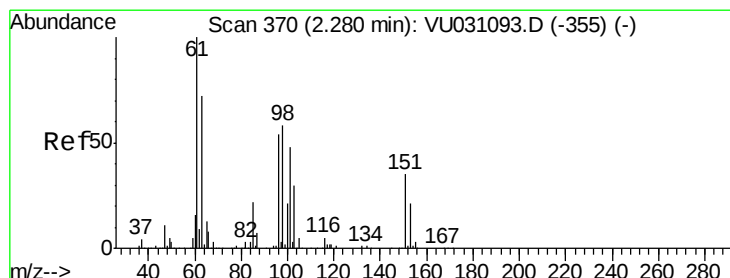
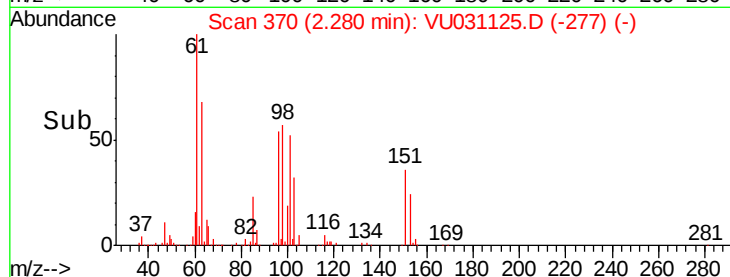
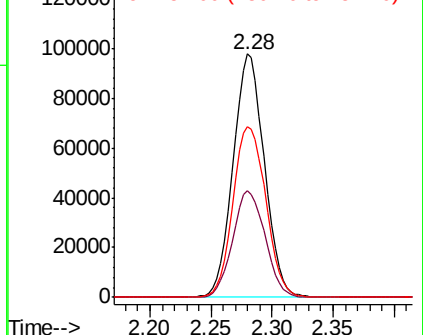
151 73.5 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.029 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

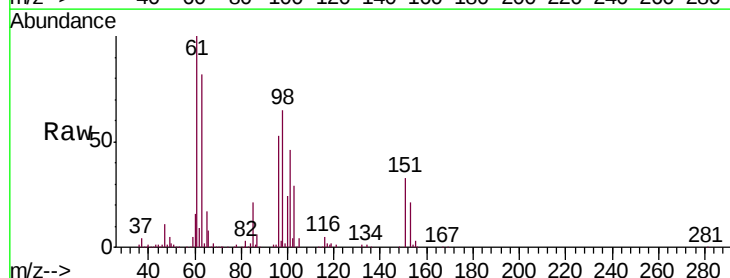
Tgt Ion: 96 Resp: 165359

Ion Ratio Lower Upper

96 100

61 188.7 132.0 245.2

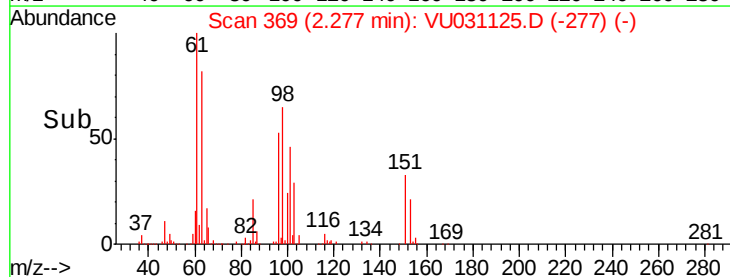
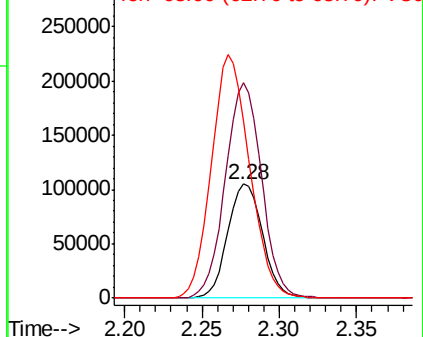
63 154.7 90.9 168.9

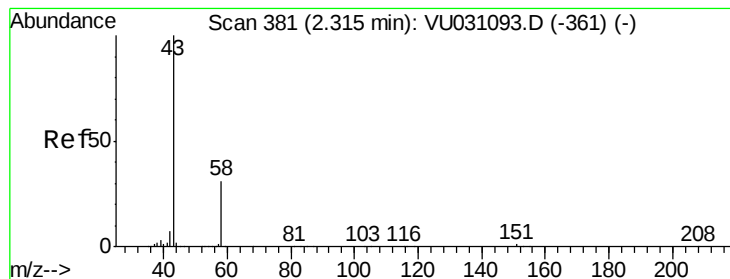


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.860 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

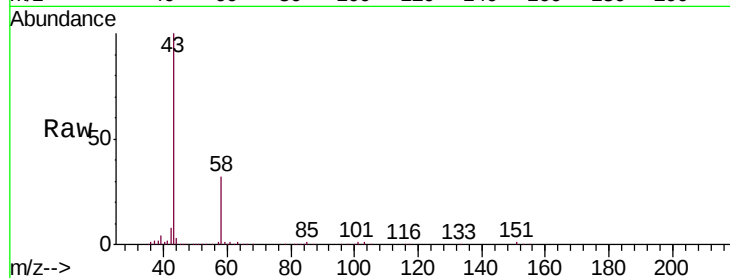
VSTD05032

Tgt Ion: 43 Resp: 349263

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031093.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU031093.D (-361) (-)

2.32

200000

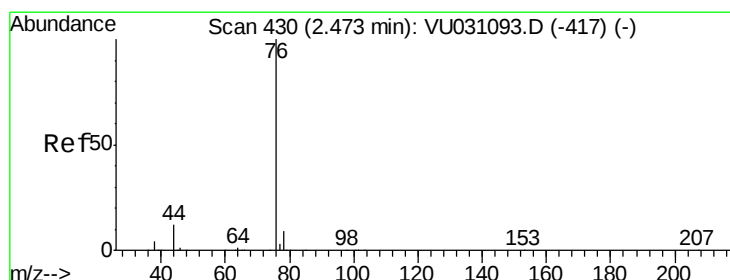
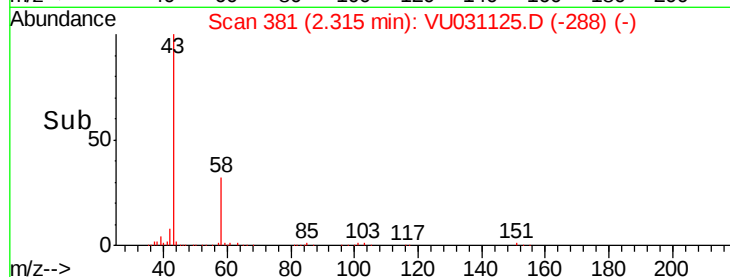
150000

100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 44.971 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031125.D

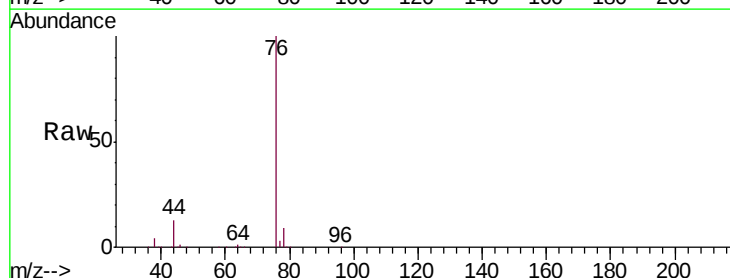
Acq: 12 Apr 2019 13:13

Tgt Ion: 76 Resp: 480985

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU031093.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU031093.D (-417) (-)

2.47

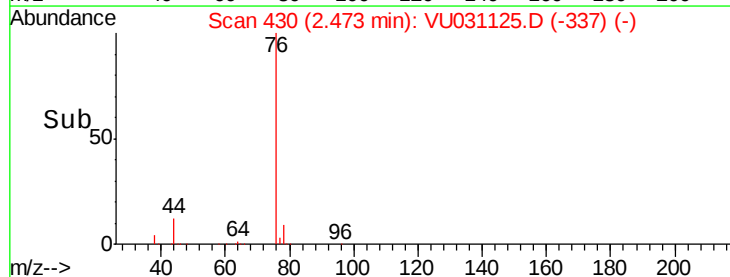
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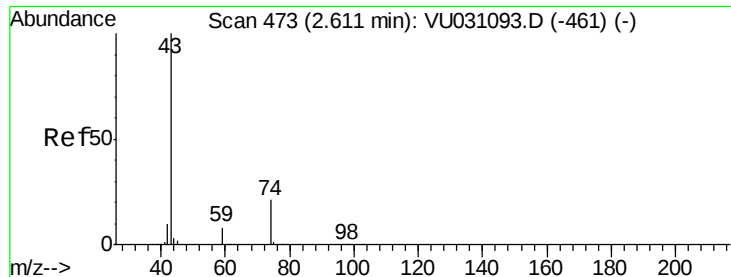
200000

100000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 49.615 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

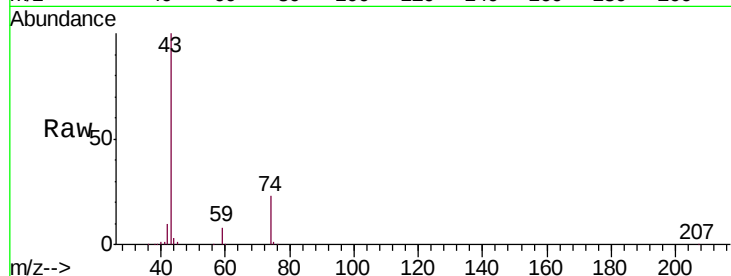
VSTD05032

Tgt Ion: 43 Resp: 277392

Ion Ratio Lower Upper

43 100

74 21.5 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VU031125.D (-461) (-)

Ion 74.00 (73.70 to 74.70): VU031125.D (-461) (-)

2.61

150000

100000

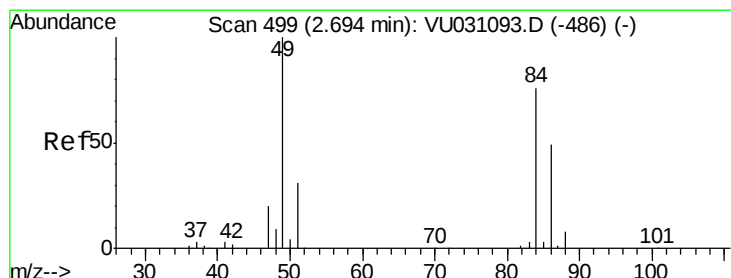
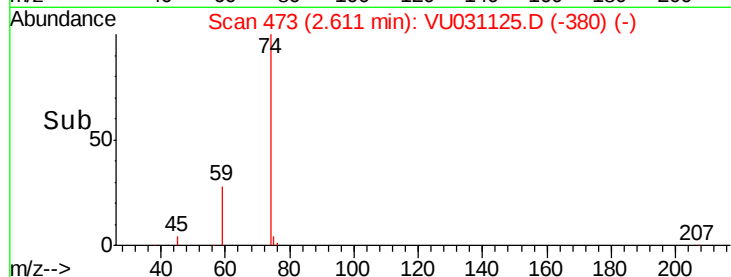
50000

0

2.60

2.70

Time-->



#16

Methylene chloride

Concen: 50.141 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

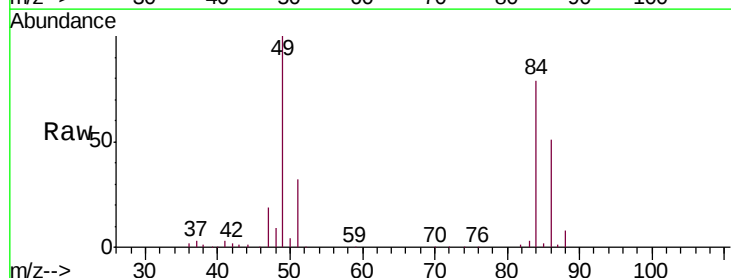
Tgt Ion: 84 Resp: 209713

Ion Ratio Lower Upper

84 100

86 65.1 45.1 83.7

49 127.4 96.5 179.1



Abundance Ion 84.00 (83.70 to 84.70): VU031125.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031125.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031125.D (-486) (-)

200000

150000

100000

50000

0

2.60

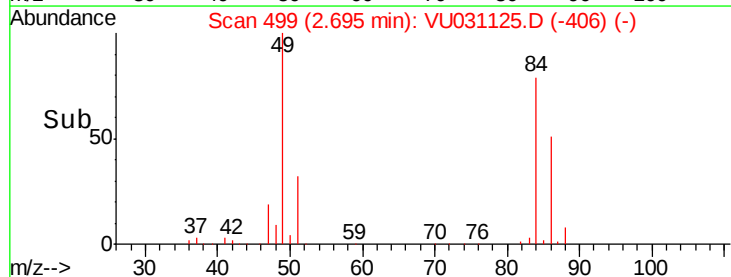
2.65

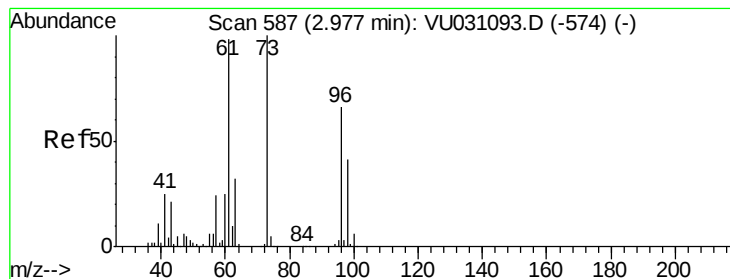
2.70

2.75

2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.917 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

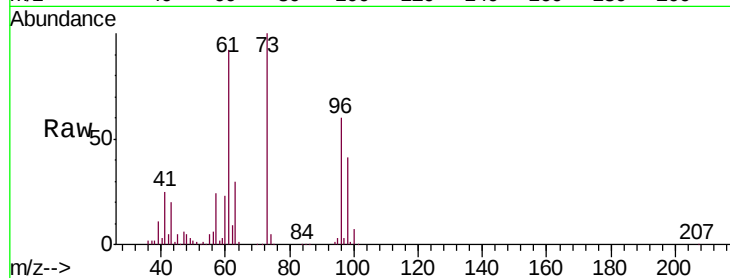
Tgt Ion: 96 Resp: 178825

Ion Ratio Lower Upper

96 100

61 153.4 109.5 203.3

98 68.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031125.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031125.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031125.D (-494) (-)

200000

150000

100000

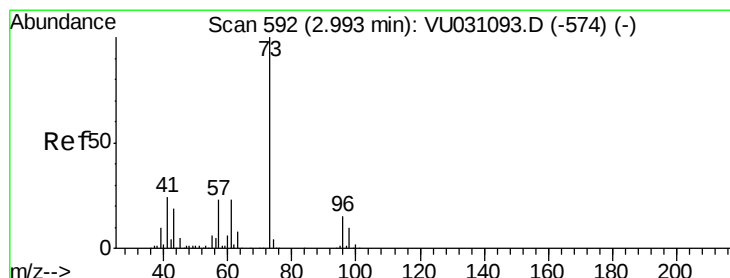
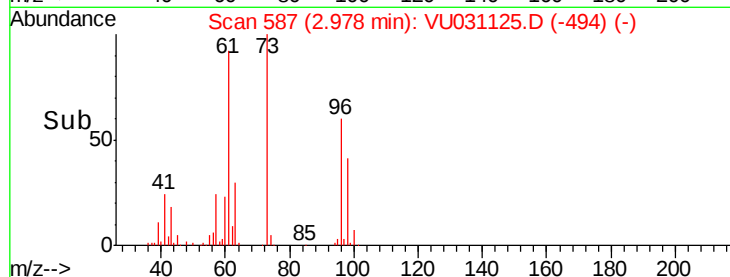
50000

0

2.98

2.90 2.95 3.00 3.05

Time-->



#18

Methyl tert-butyl Ether

Concen: 49.955 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

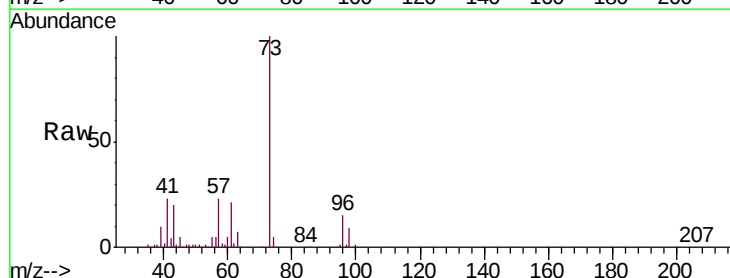
Tgt Ion: 73 Resp: 611716

Ion Ratio Lower Upper

73 100

43 20.1 16.4 24.6

57 23.1 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VU031125.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031125.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031125.D (-499) (-)

300000

200000

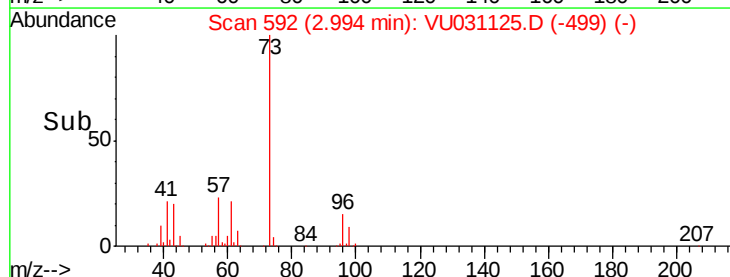
100000

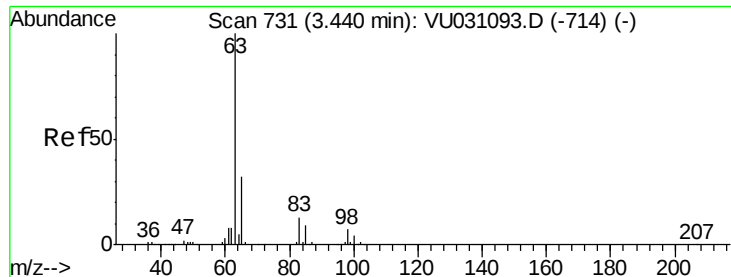
0

2.99

2.90 2.95 3.00 3.05 3.10

Time-->





#19

1,1-Dichloroethane

Concen: 49.714 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

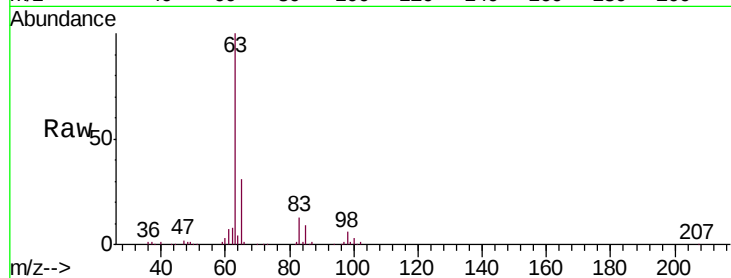
Tgt Ion: 63 Resp: 375053

Ion Ratio Lower Upper

63 100

65 30.9 21.4 39.8

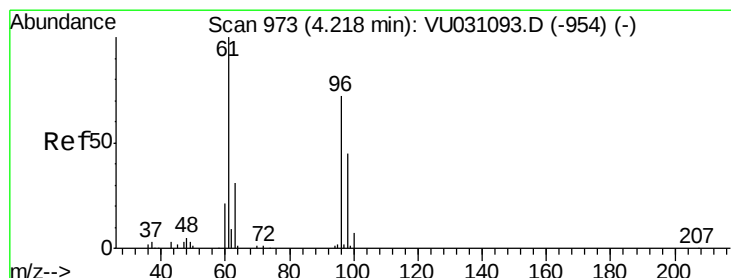
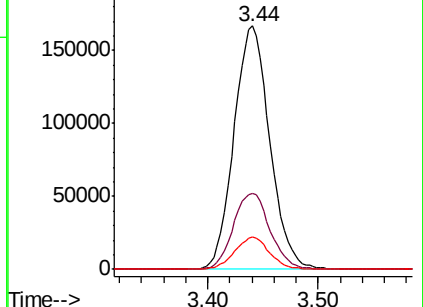
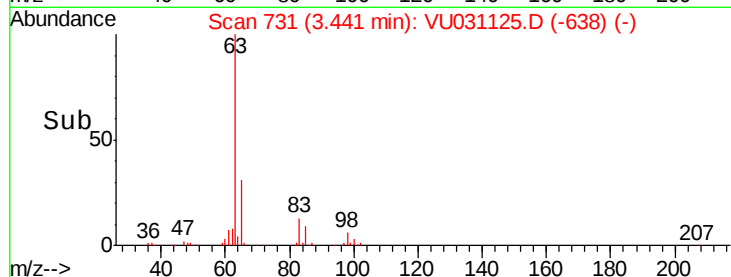
83 13.1 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU031125.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031125.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031125.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.289 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

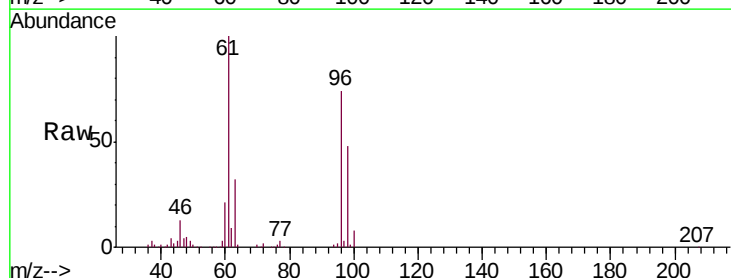
Tgt Ion: 96 Resp: 211061

Ion Ratio Lower Upper

96 100

61 135.7 102.9 191.1

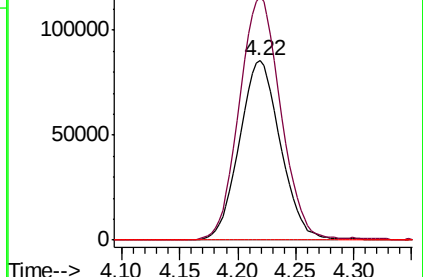
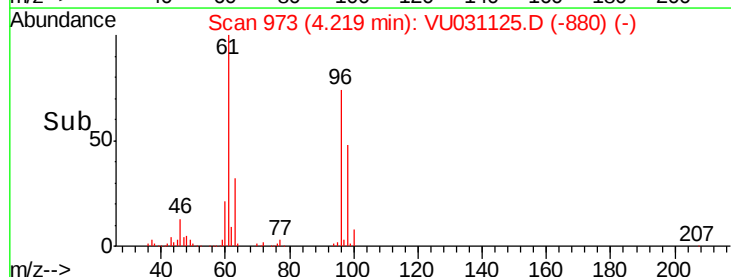
68 0.0 0.0 0.0

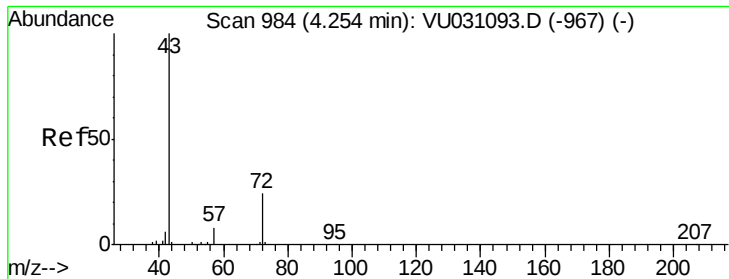


Abundance Ion 96.00 (95.70 to 96.70): VU031125.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031125.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031125.D (-880) (-)





#22

2-Butanone

Concen: 101.803 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

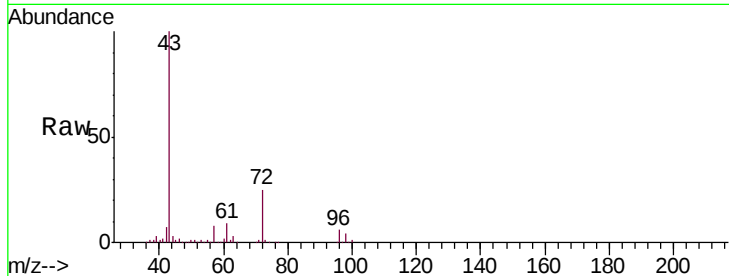
VSTD05032

Tgt Ion: 43 Resp: 430402

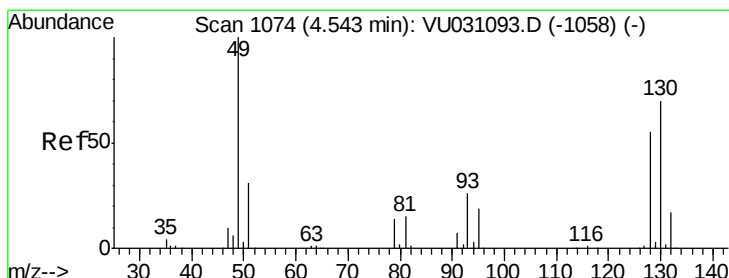
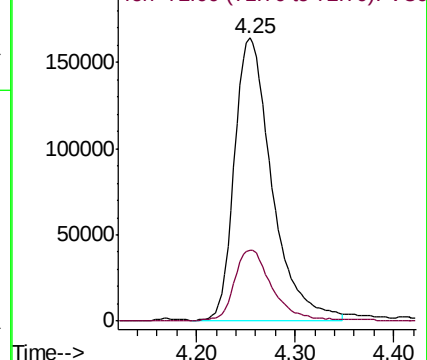
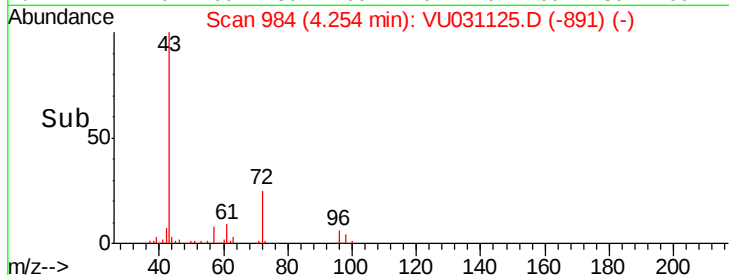
Ion Ratio Lower Upper

43 100

72 25.8 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU031125.D (-981) (-)



#23

Bromochloromethane

Concen: 54.072 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Tgt Ion: 128 Resp: 103184

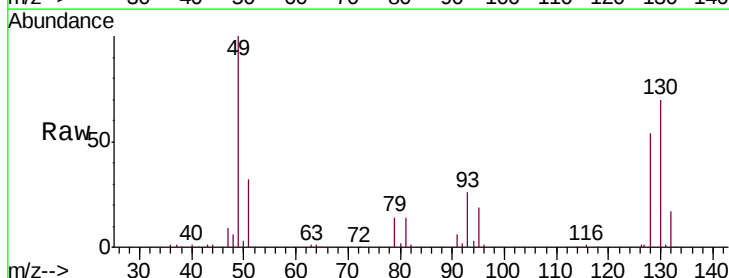
Ion Ratio Lower Upper

128 100

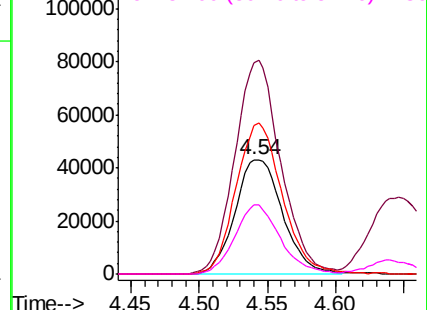
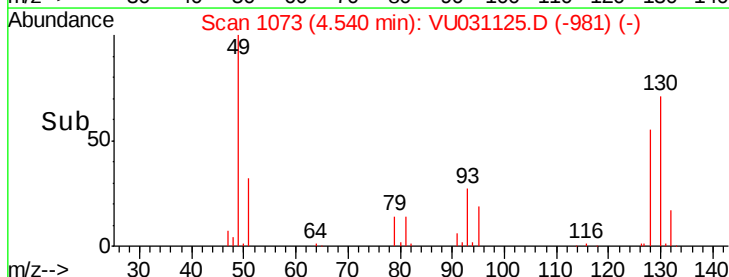
49 185.6 139.9 259.7

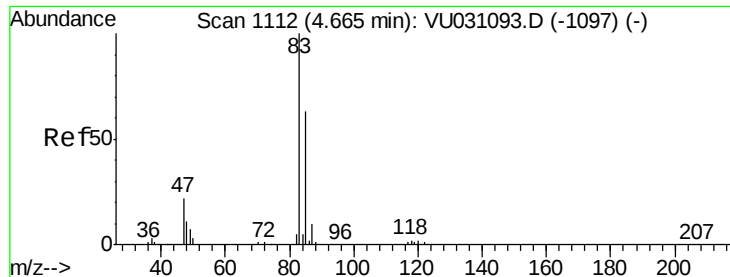
130 129.8 86.6 160.8

51 60.2 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU031125.D (-981) (-)

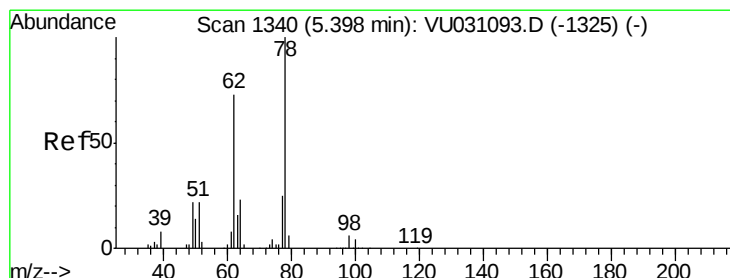
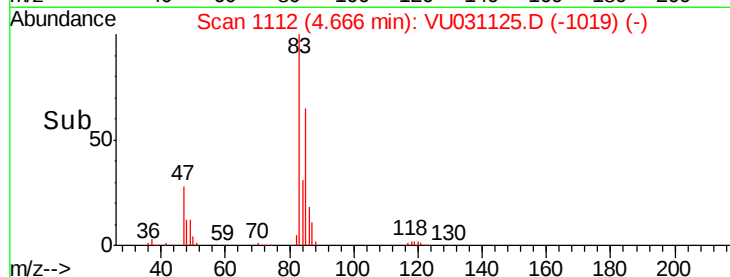
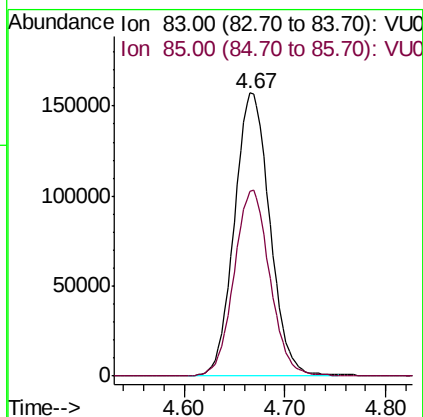
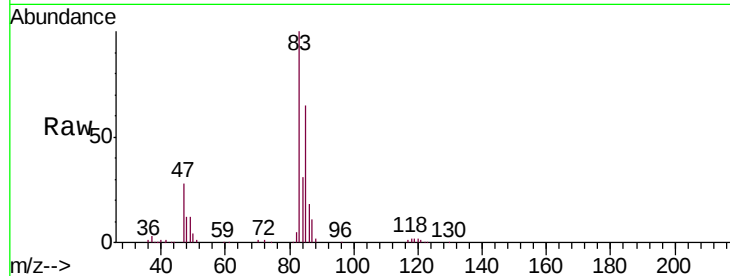




#25
Chloroform
Concen: 50.632 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

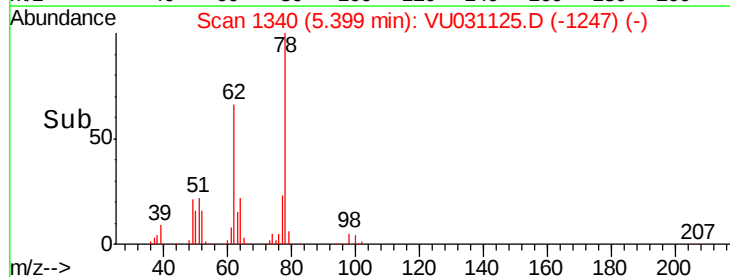
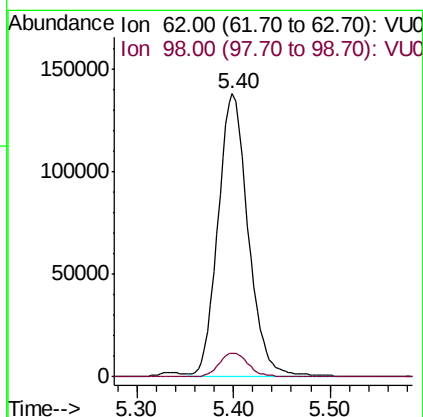
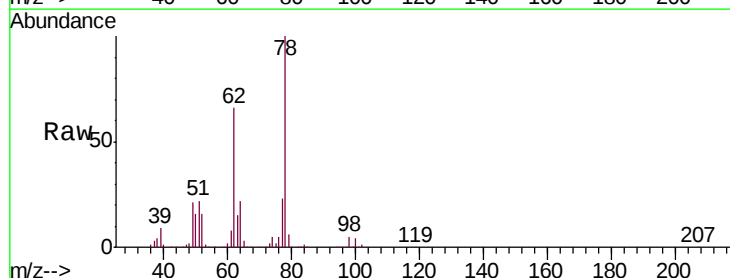
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

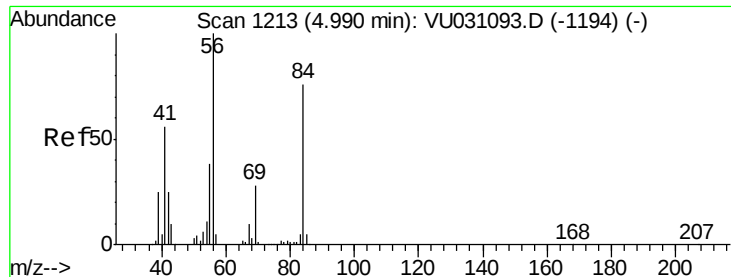
Tgt Ion: 83 Resp: 383912
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 51.467 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Tgt Ion: 62 Resp: 297844
Ion Ratio Lower Upper
62 100
98 8.3 7.2 10.8

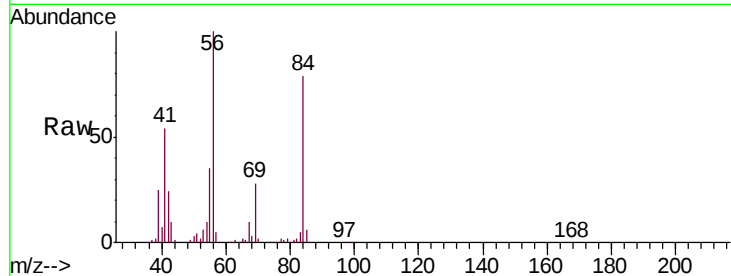




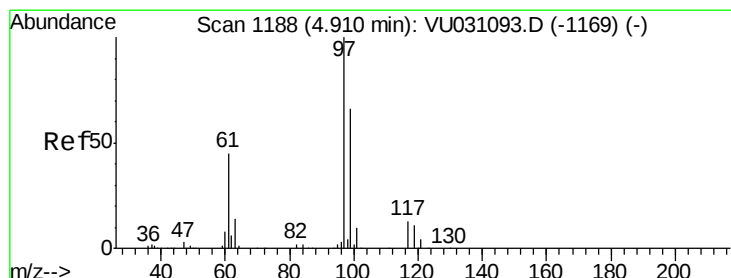
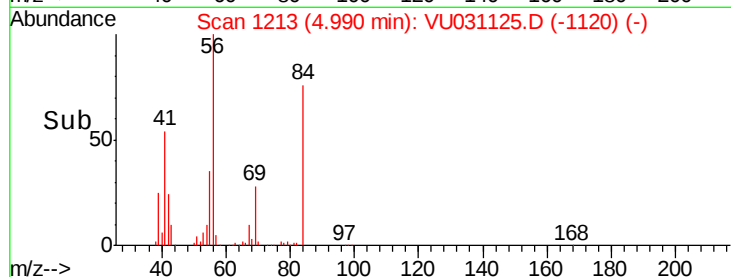
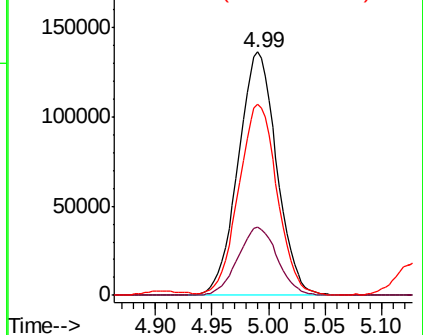
#29
Cyclohexane
Concen: 46.680 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion: 56 Resp: 323280
Ion Ratio Lower Upper
56 100
69 28.7 22.0 33.0
84 78.4 58.2 87.2

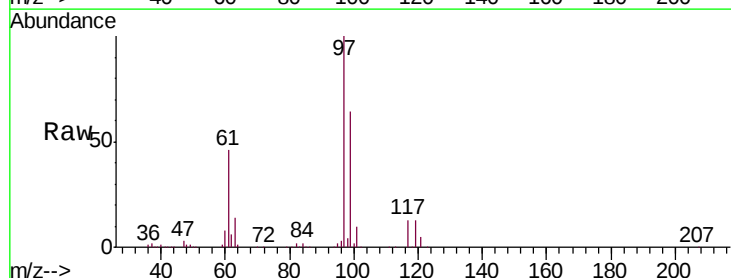


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

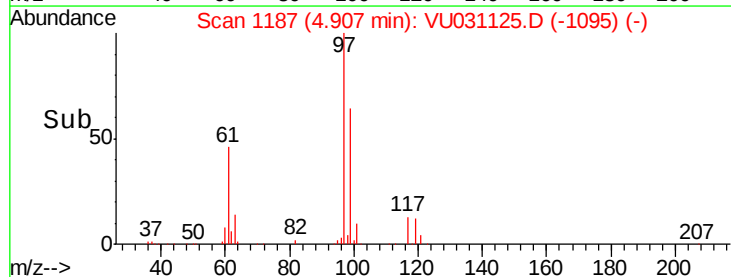
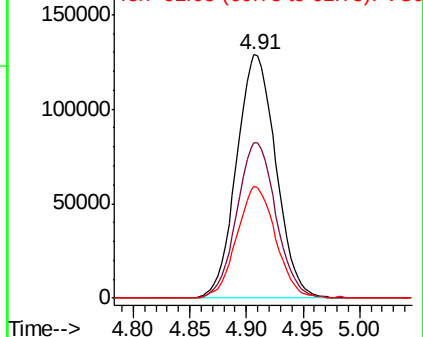


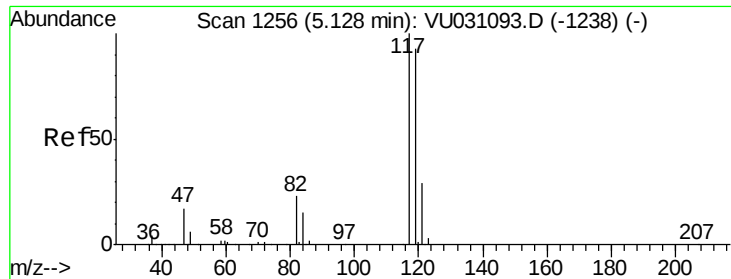
#30
1,1,1-Trichloroethane
Concen: 52.702 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Tgt Ion: 97 Resp: 312084
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 45.3 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

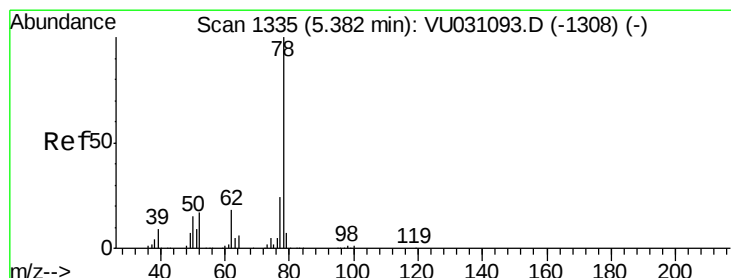
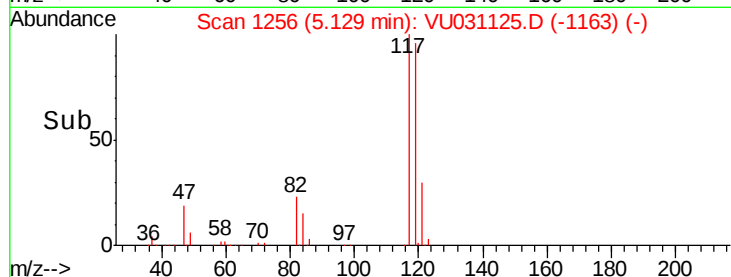
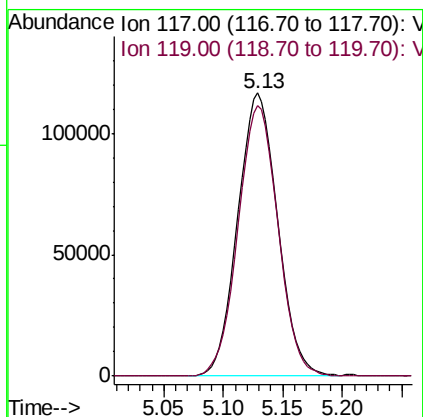
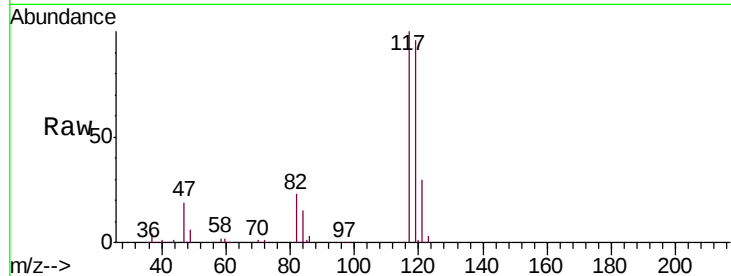




#31
Carbon tetrachloride
Concen: 53.024 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

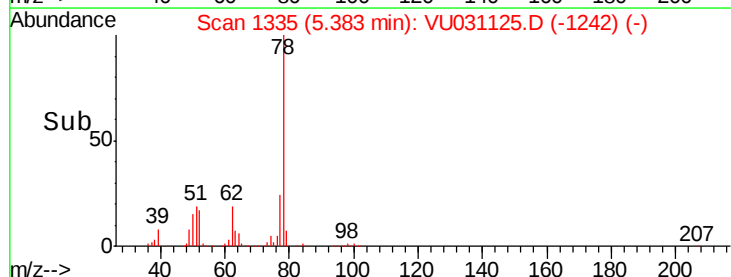
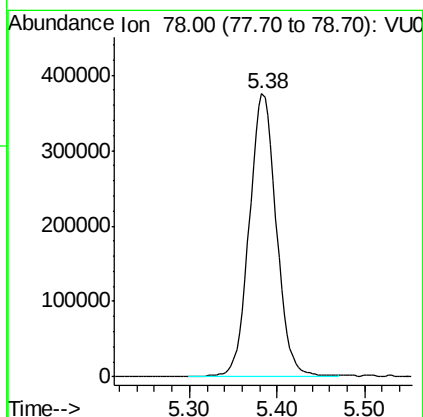
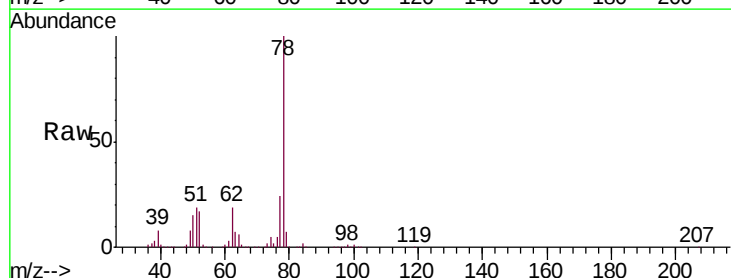
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

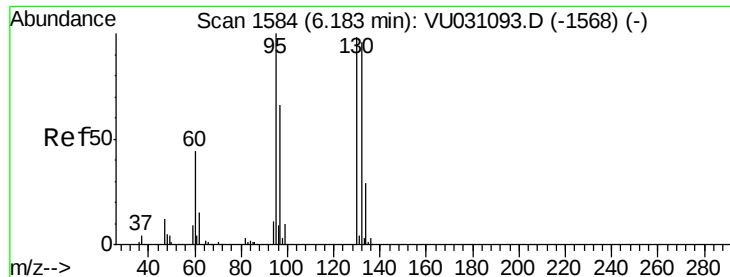
Tgt Ion:117 Resp: 270578
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.2



#33
Benzene
Concen: 50.866 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Tgt Ion: 78 Resp: 808810





#34

Trichloroethene

Concen: 50.937 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 95 Resp: 198651

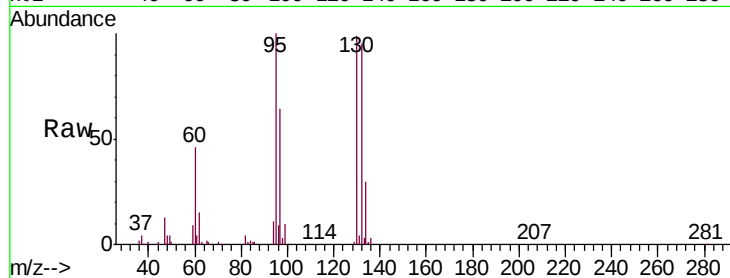
Ion Ratio Lower Upper

95 100

97 64.0 44.5 82.7

132 95.2 61.5 114.1

130 99.5 64.9 120.5

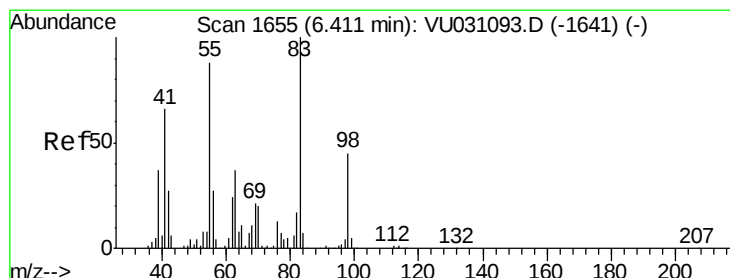
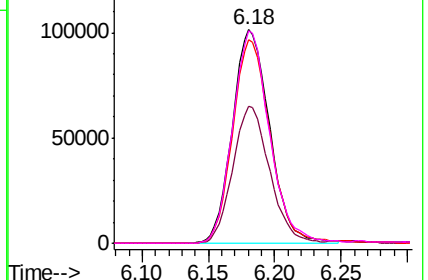
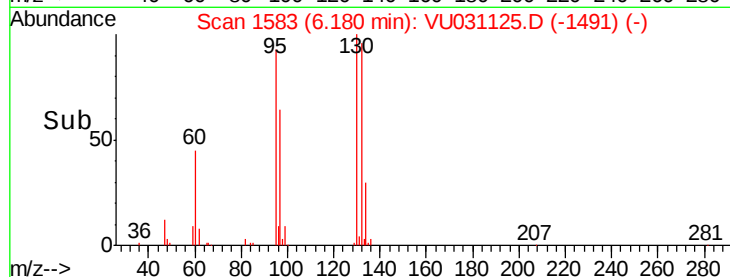


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.843 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

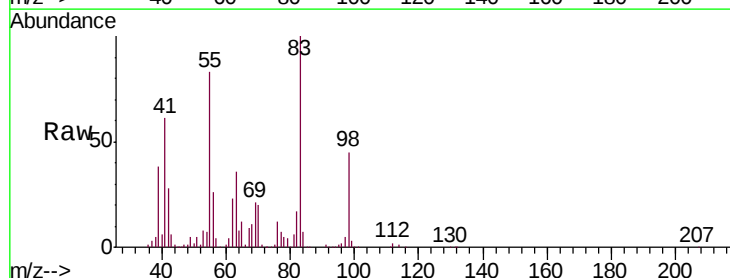
Tgt Ion: 83 Resp: 306009

Ion Ratio Lower Upper

83 100

55 84.7 71.6 107.4

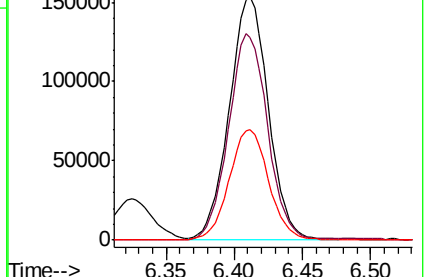
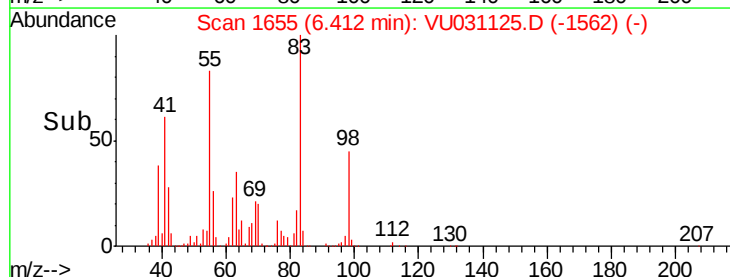
98 45.7 35.4 53.0

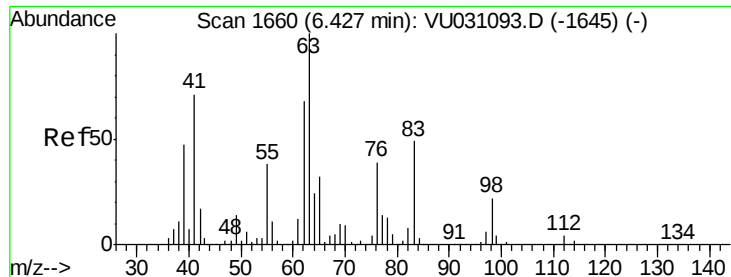


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

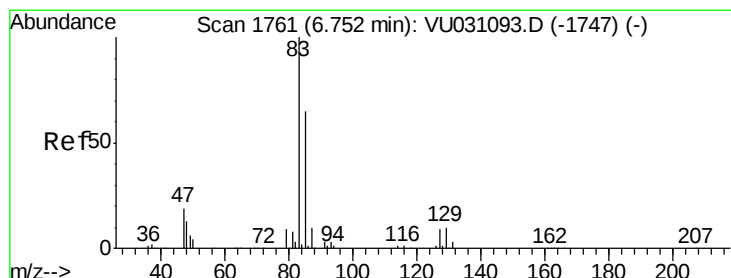
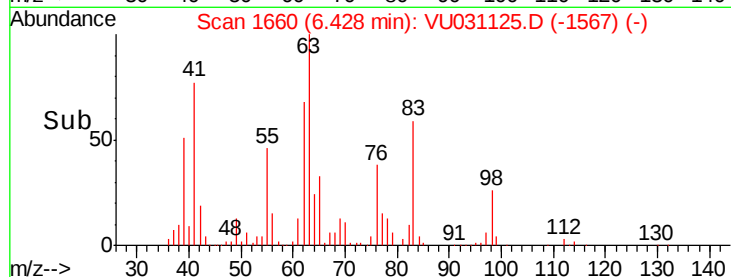
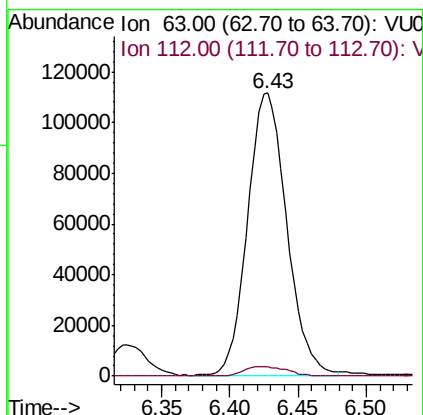
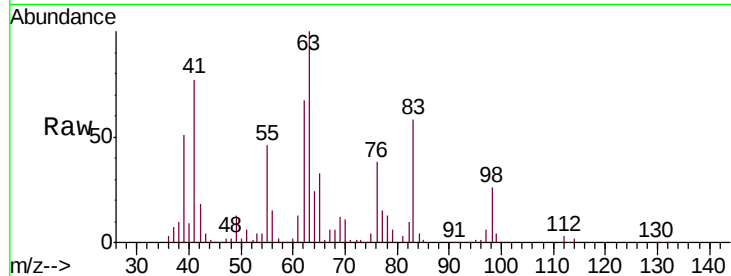




#37
 1,2-Dichloropropane
 Concen: 49.096 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

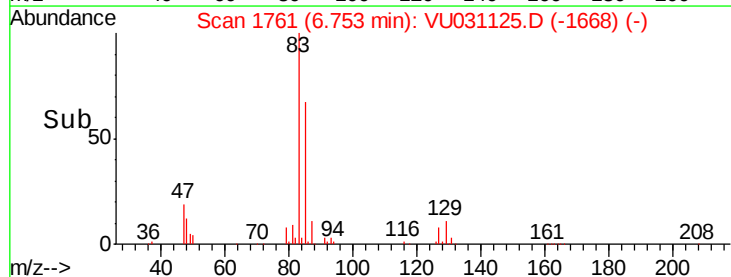
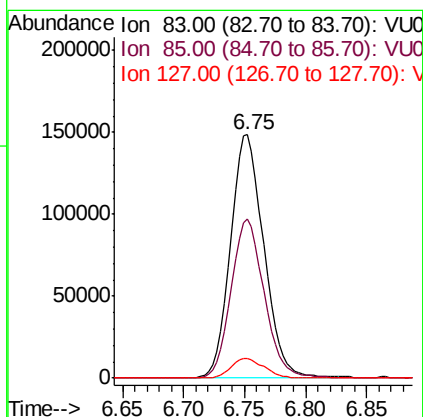
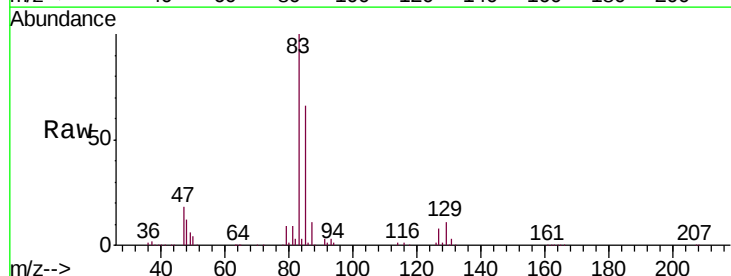
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

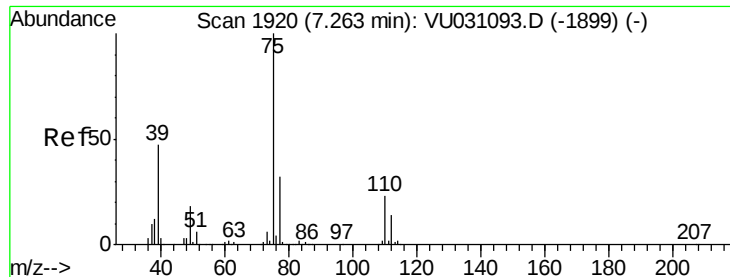
Tgt Ion: 63 Resp: 221055
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.728 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

Tgt Ion: 83 Resp: 280973
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.5 86.3
 127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.876 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

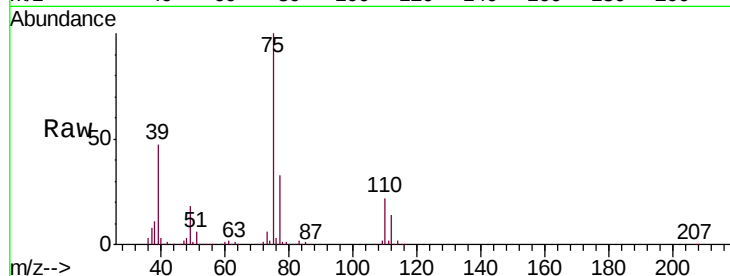
VSTD05032

Tgt Ion: 75 Resp: 332452

Ion Ratio Lower Upper

75 100

77 32.9 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU031093.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU031093.D (-1899) (-)

7.26

200000

150000

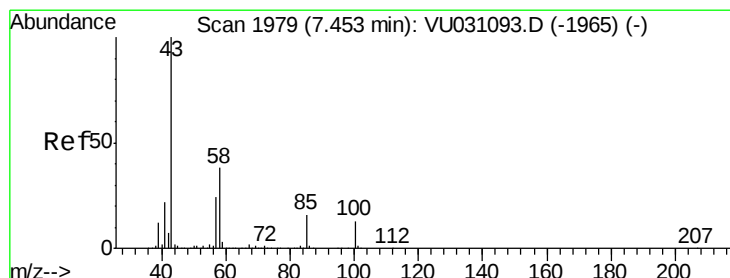
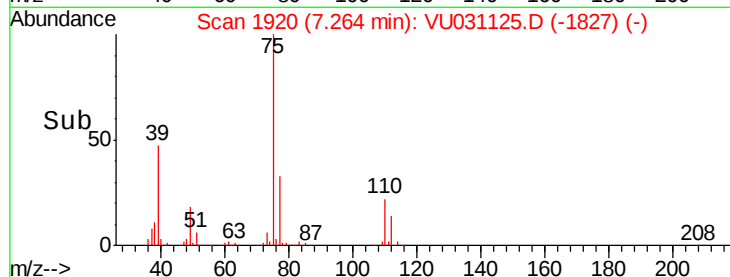
100000

50000

0

7.20 7.30

Time-->



#40

4-Methyl-2-pentanone

Concen: 97.936 ug/L

RT: 7.45 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

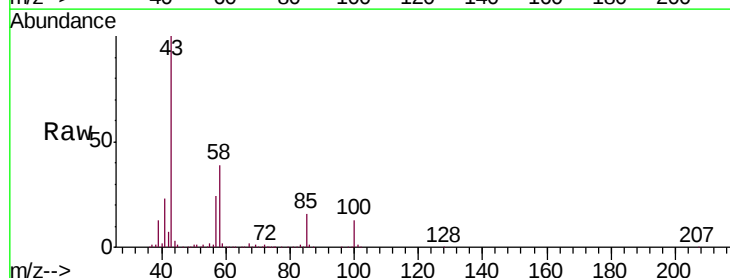
Tgt Ion: 43 Resp: 709101

Ion Ratio Lower Upper

43 100

58 38.6 29.7 44.5

100 13.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VU031093.D (-1965) (-)

Ion 58.00 (57.70 to 58.70): VU031093.D (-1965) (-)

Ion 100.00 (99.70 to 100.70): VU031093.D (-1965) (-)

7.45

500000

400000

300000

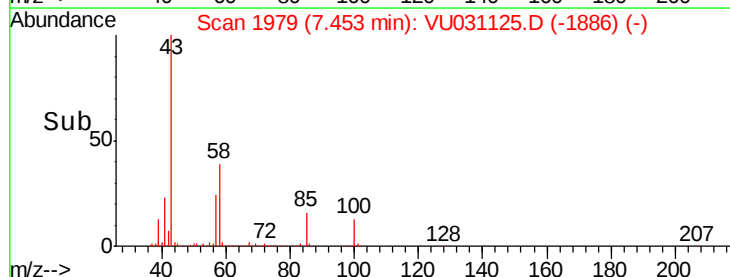
200000

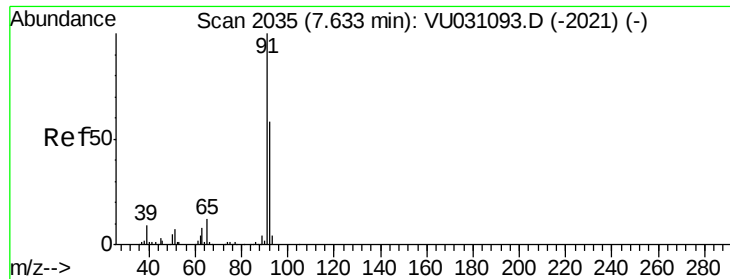
100000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#42

Toluene

Concen: 52.235 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

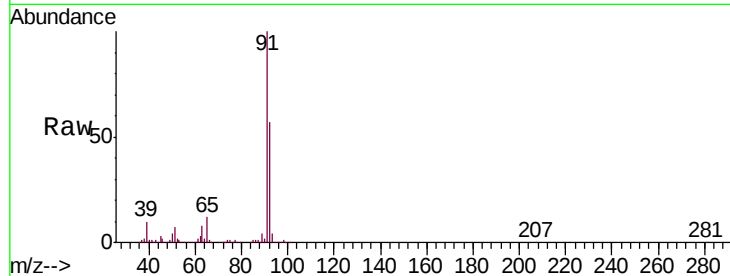
VSTD05032

Tgt Ion: 91 Resp: 847839

Ion Ratio Lower Upper

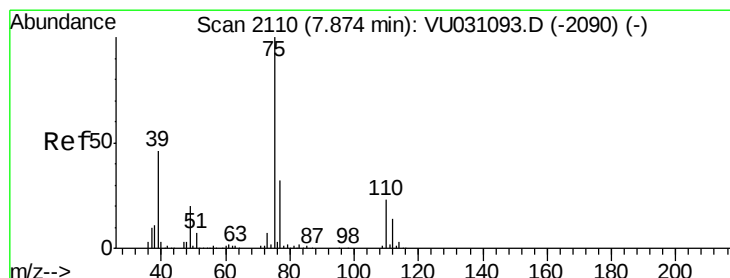
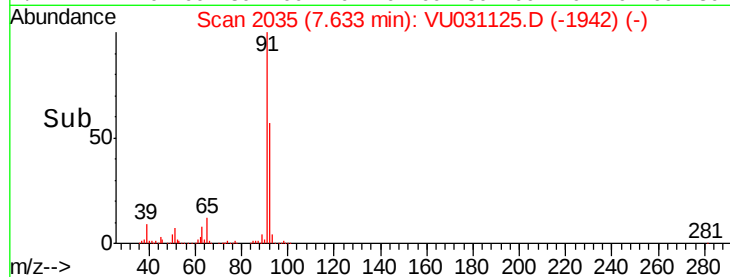
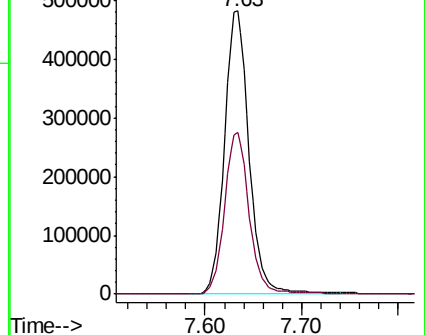
91 100

92 57.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031125.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031125.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 53.383 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU031125.D

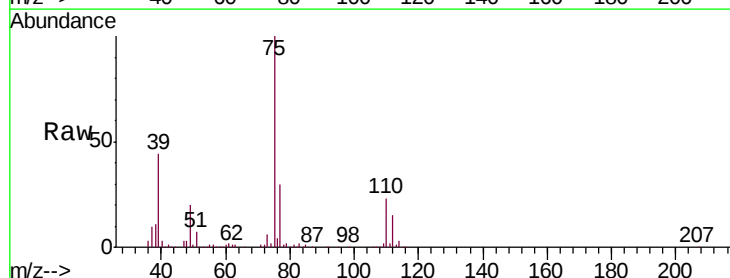
Acq: 12 Apr 2019 13:13

Tgt Ion: 75 Resp: 301492

Ion Ratio Lower Upper

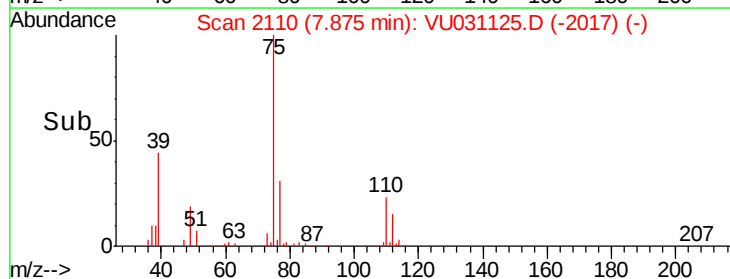
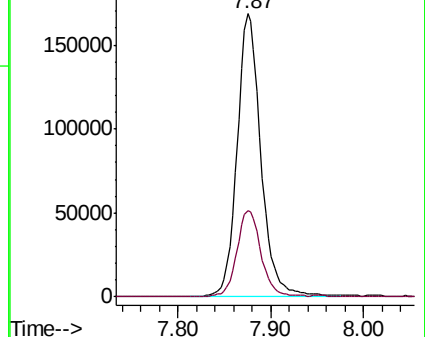
75 100

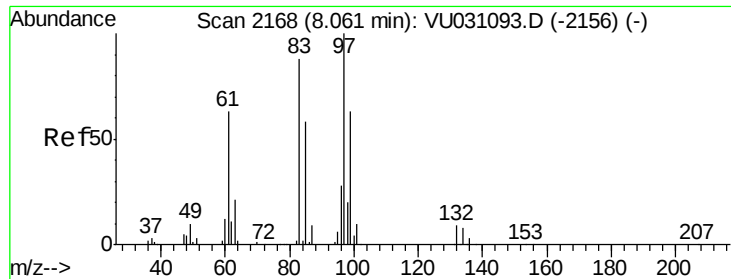
77 30.5 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031125.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU031125.D (-2017) (-)

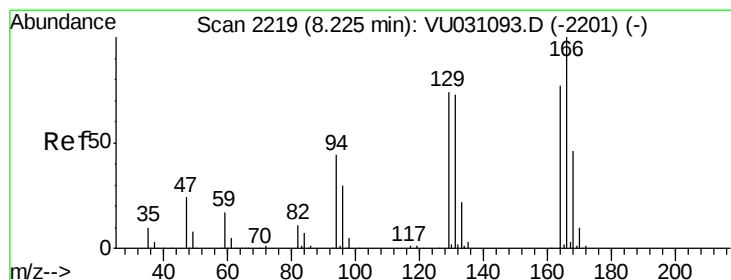
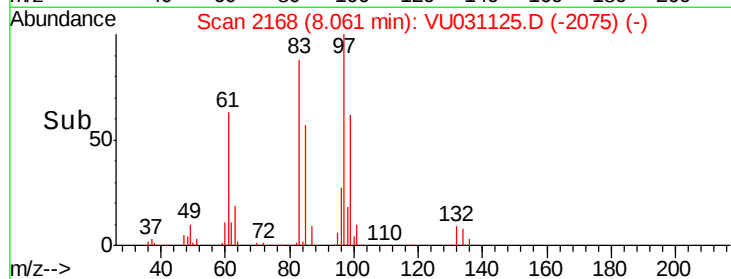
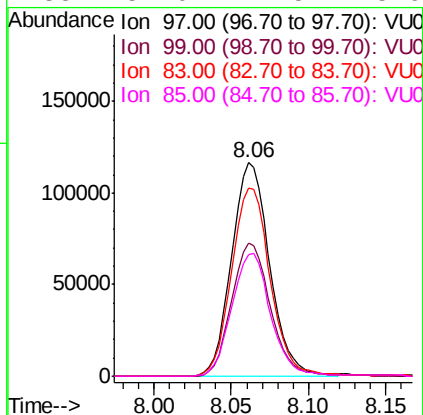
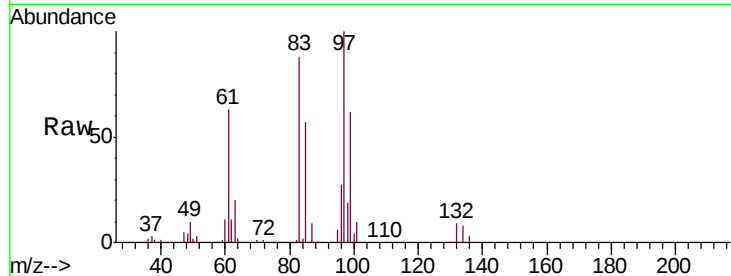




#45
 1,1,2-Trichloroethane
 Concen: 52.176 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

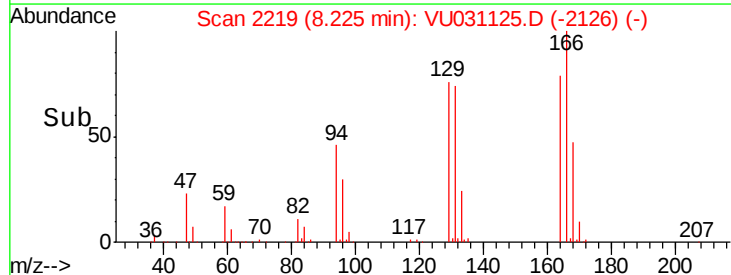
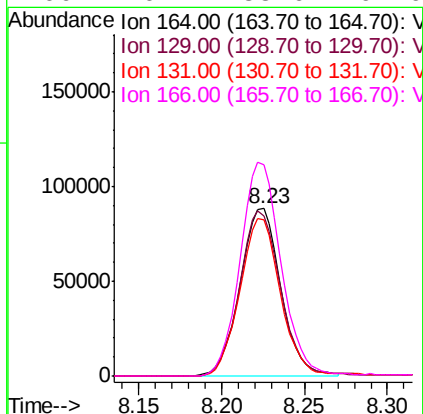
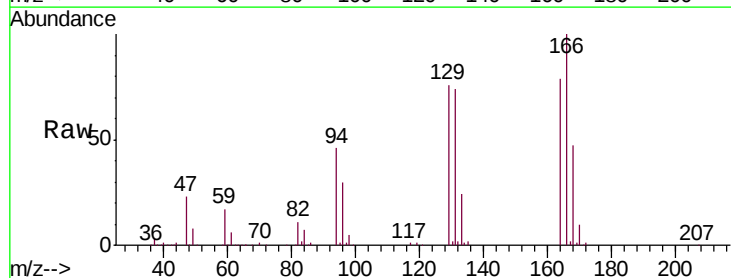
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

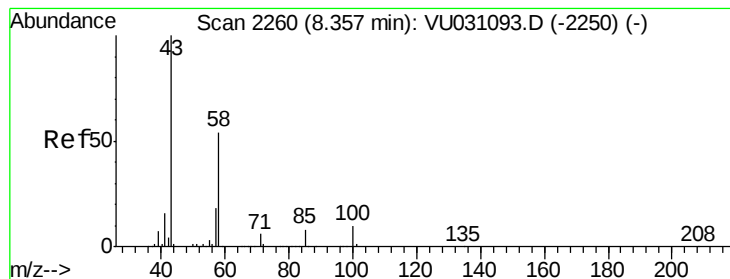
Tgt Ion:	97	Resp:	199240
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.8
83	88.3	65.3	121.3
85	57.0	42.5	78.9



#46
 Tetrachloroethene
 Concen: 53.332 ug/L
 RT: 8.23 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

Tgt Ion:	164	Resp:	151217
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.4	125.2
131	93.4	65.9	122.5
166	126.1	88.6	164.6





#48

2-Hexanone

Concen: 102.021 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 43 Resp: 576305

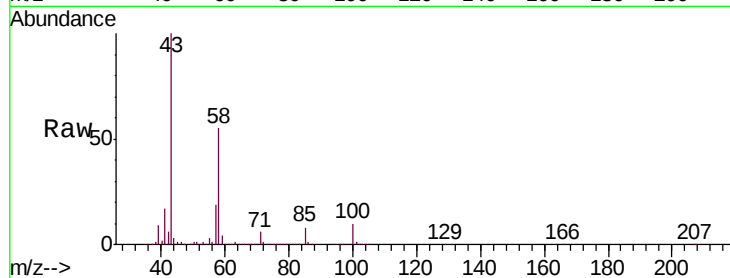
Ion Ratio Lower Upper

43 100

58 55.3 41.9 62.9

57 19.4 14.3 21.5

100 10.5 7.1 10.7

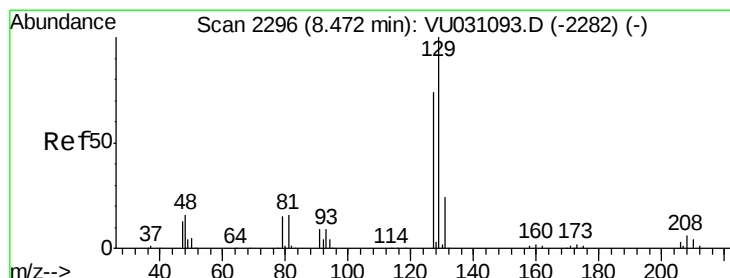
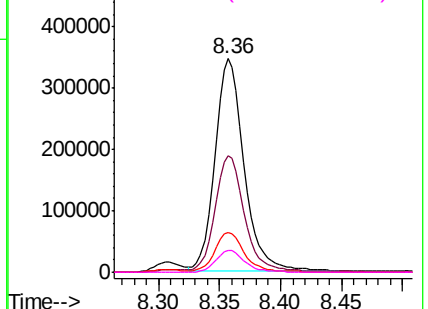
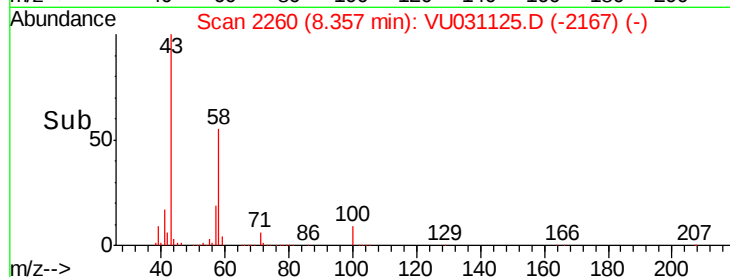


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 53.403 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031125.D

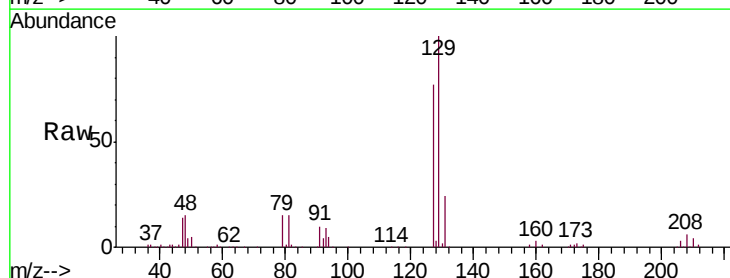
Acq: 12 Apr 2019 13:13

Tgt Ion: 129 Resp: 216384

Ion Ratio Lower Upper

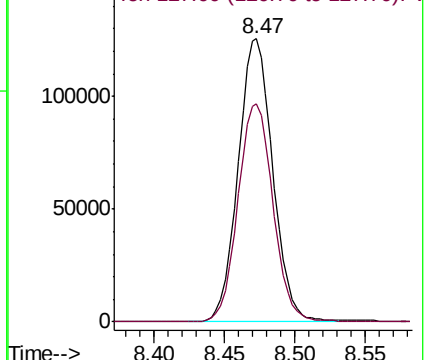
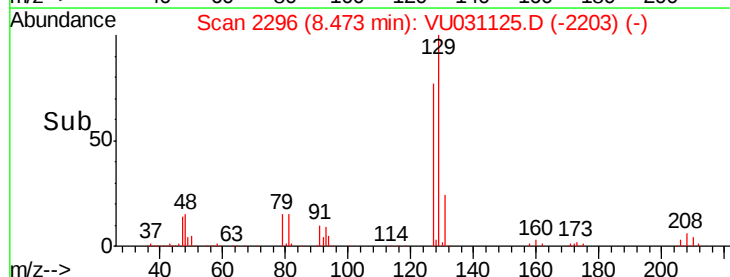
129 100

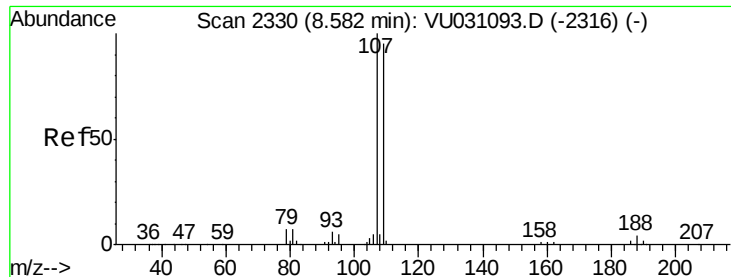
127 77.2 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

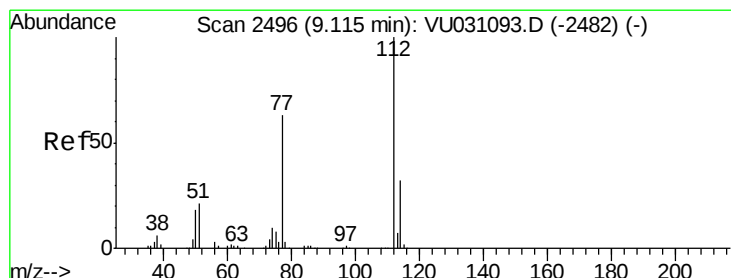
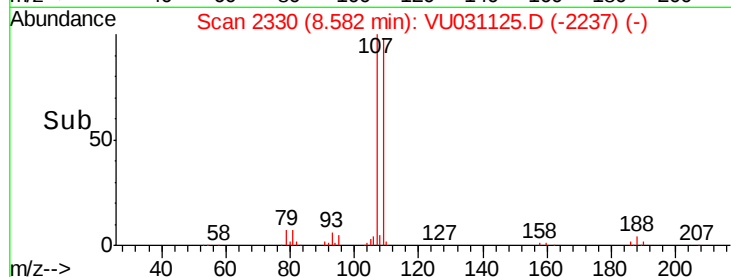
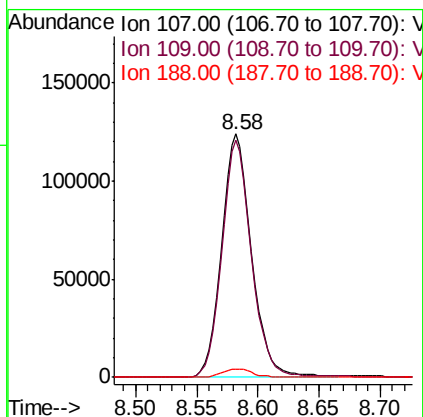
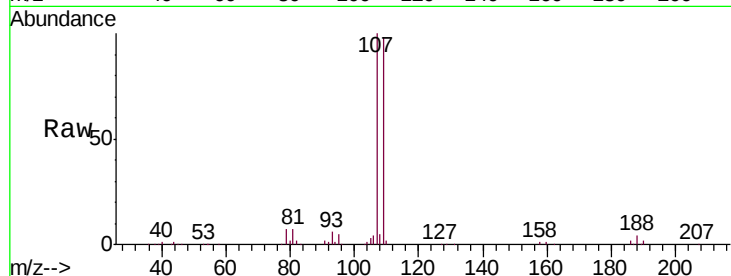




#50
1,2-Dibromoethane
Concen: 51.719 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

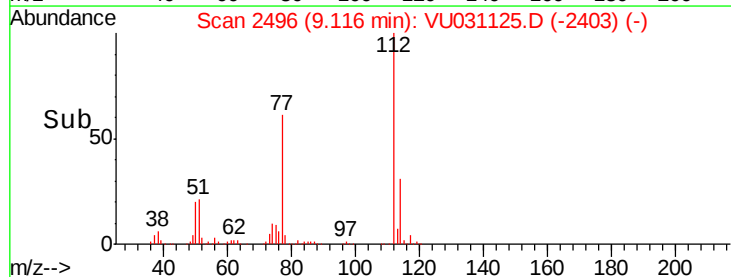
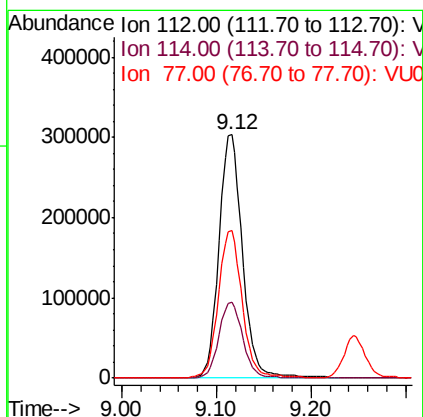
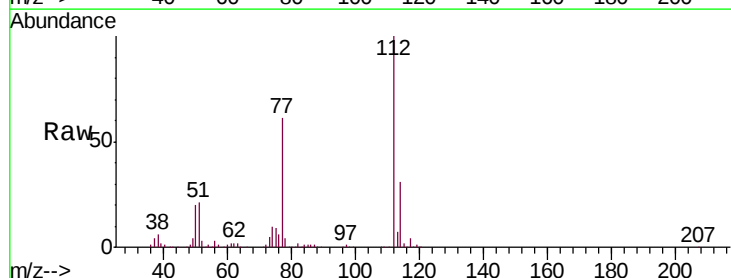
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

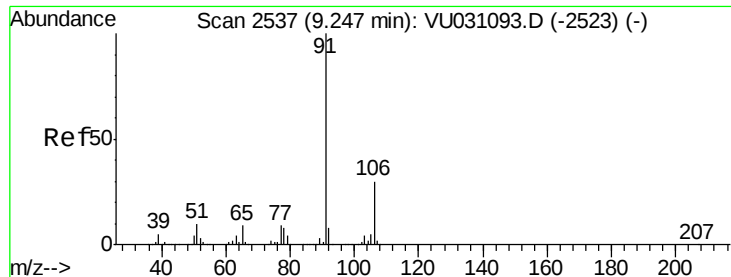
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.6	66.4	123.2
188	3.5	2.6	4.0



#51
Chlorobenzene
Concen: 52.728 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031125.D
Acq: 12 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.2	41.2
77	60.6	51.7	77.5





#52

Ethylbenzene

Concen: 51.491 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

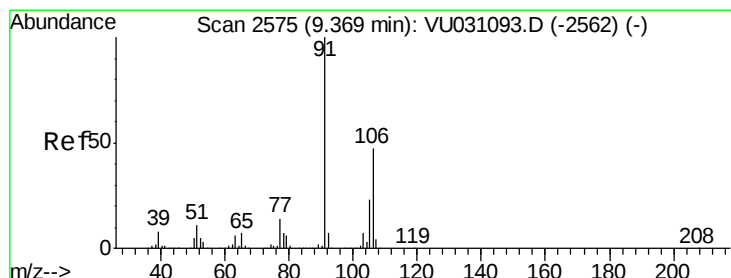
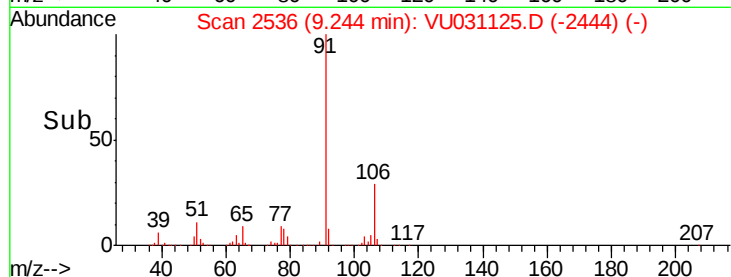
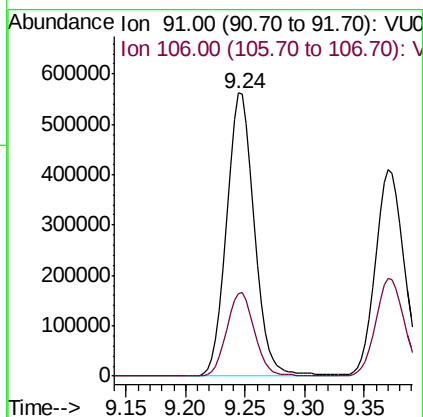
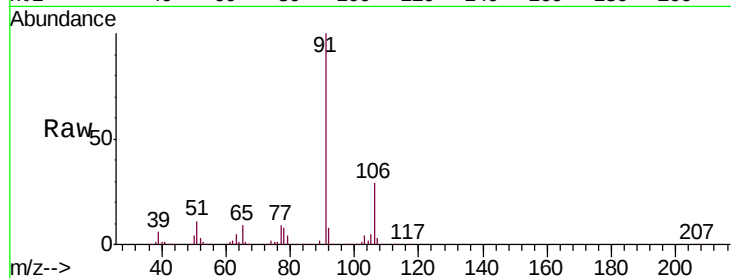
VSTD05032

Tgt Ion: 91 Resp: 911002

Ion Ratio Lower Upper

91 100

106 29.3 20.4 37.8



#53

m,p-Xylene

Concen: 52.794 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031125.D

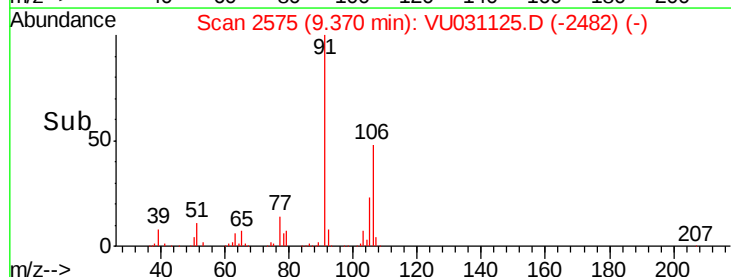
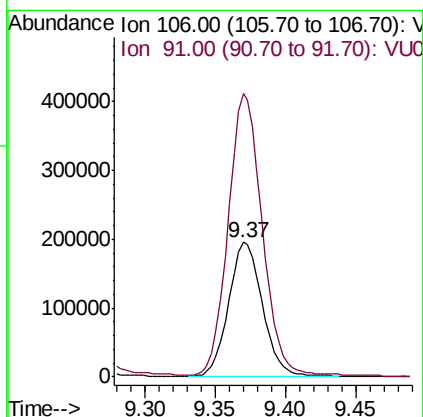
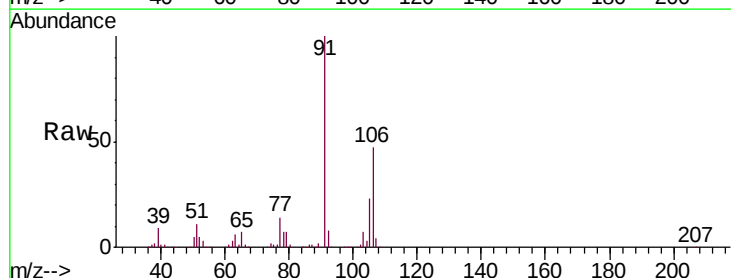
Acq: 12 Apr 2019 13:13

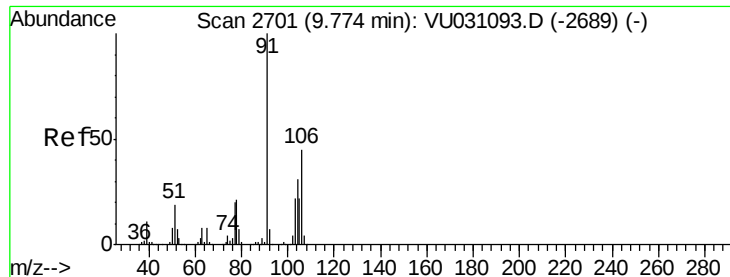
Tgt Ion: 106 Resp: 325765

Ion Ratio Lower Upper

106 100

91 210.6 148.0 274.8





#54

o-xylene

Concen: 52.993 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

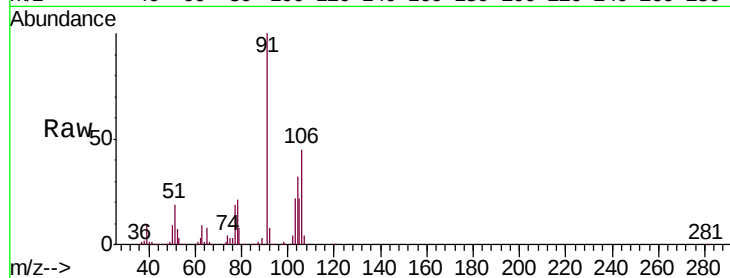
VSTD05032

Tgt Ion:106 Resp: 325258

Ion Ratio Lower Upper

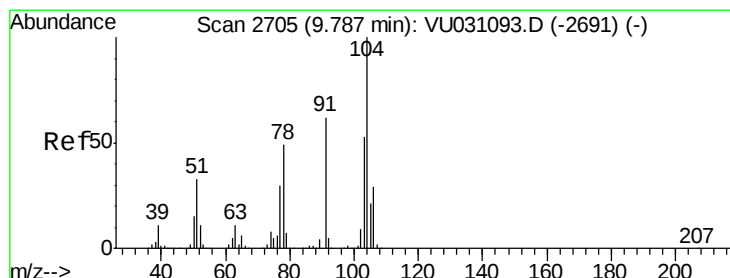
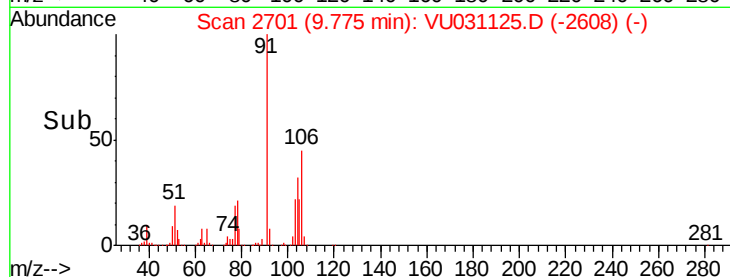
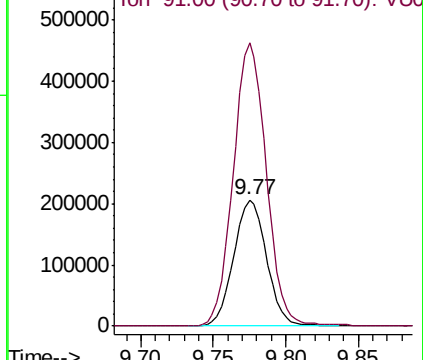
106 100

91 223.9 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.134 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031125.D

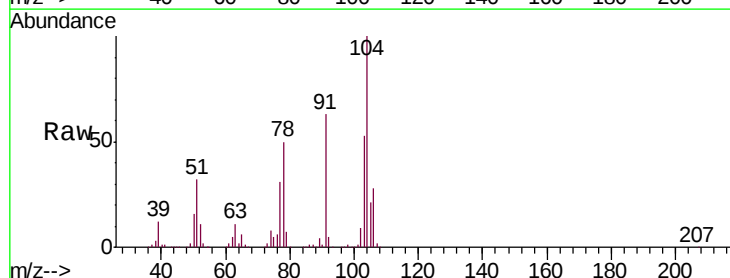
Acq: 12 Apr 2019 13:13

Tgt Ion:104 Resp: 580442

Ion Ratio Lower Upper

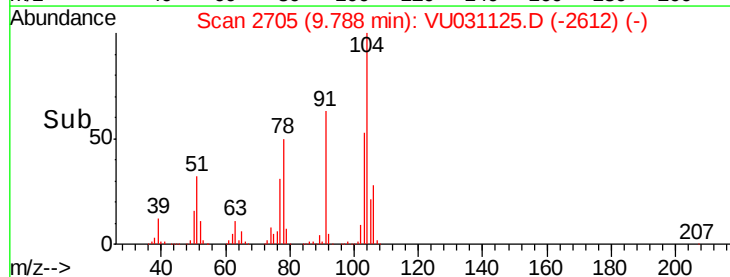
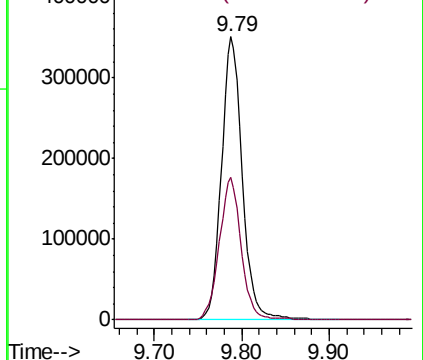
104 100

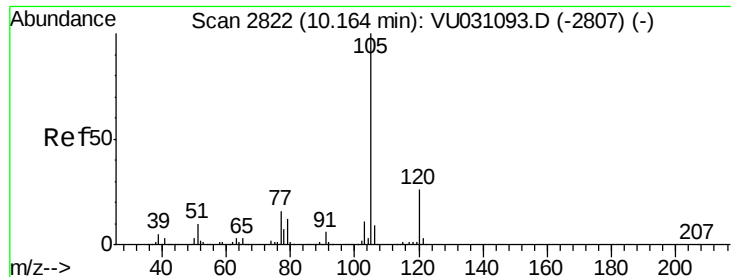
78 50.2 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.515 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

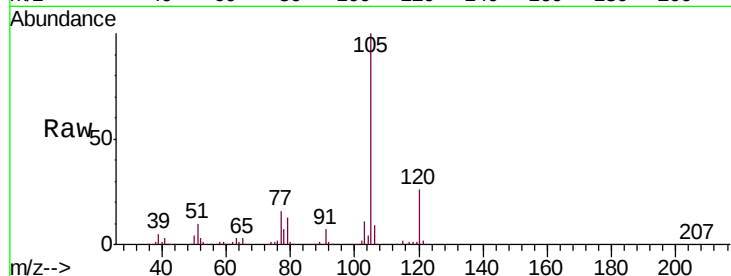
Tgt Ion: 105 Resp: 864779

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

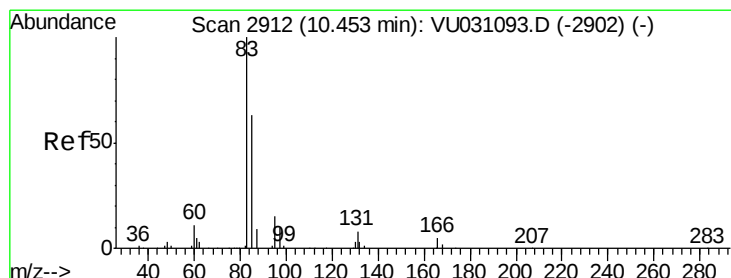
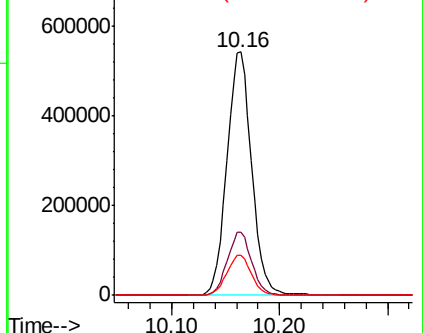
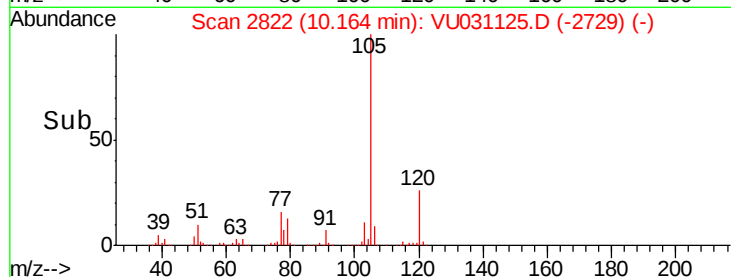
77 16.2 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.282 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

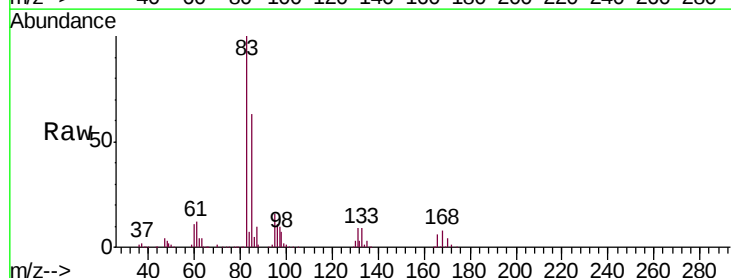
Tgt Ion: 83 Resp: 354206

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

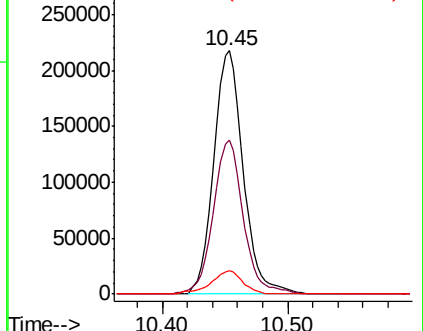
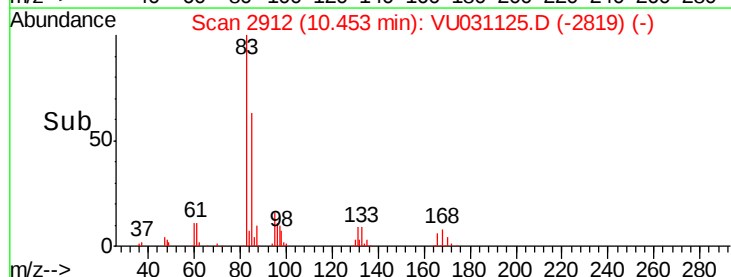
131 9.4 6.7 10.1

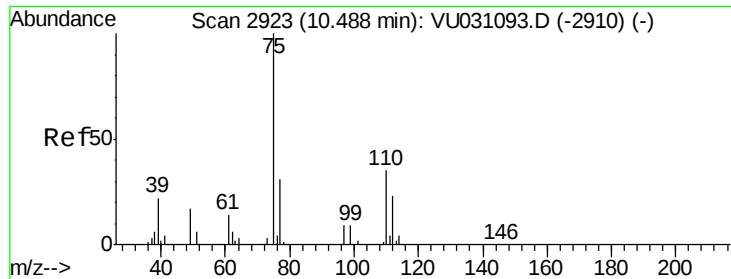


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.391 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

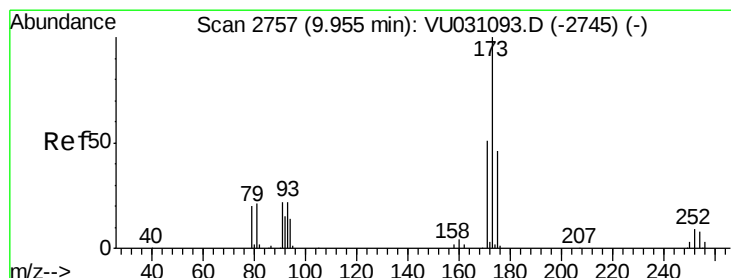
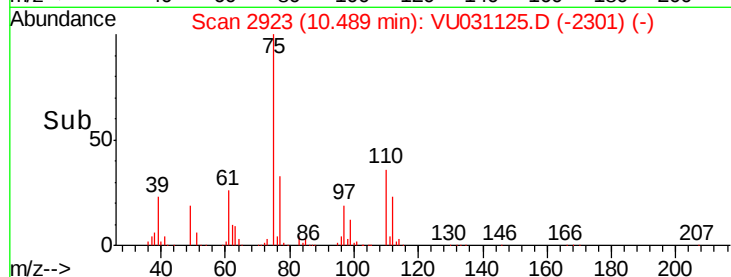
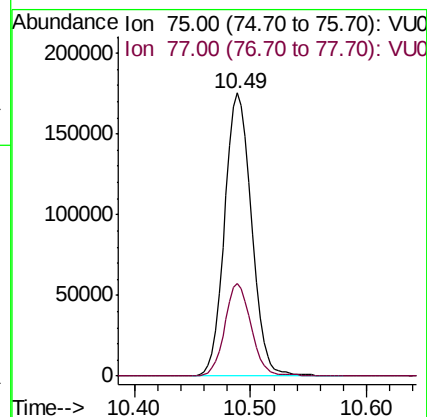
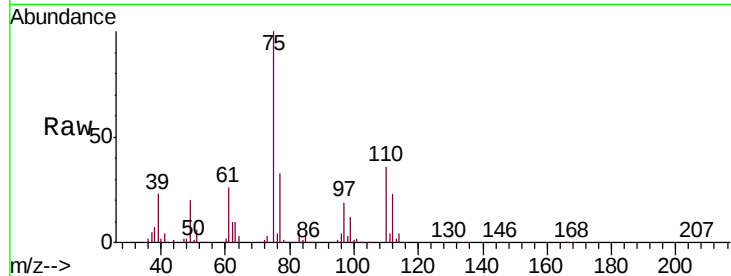
VSTD05032

Tgt Ion: 75 Resp: 282520

Ion Ratio Lower Upper

75 100

77 31.3 26.1 39.1



#61

Bromoform

Concen: 50.686 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

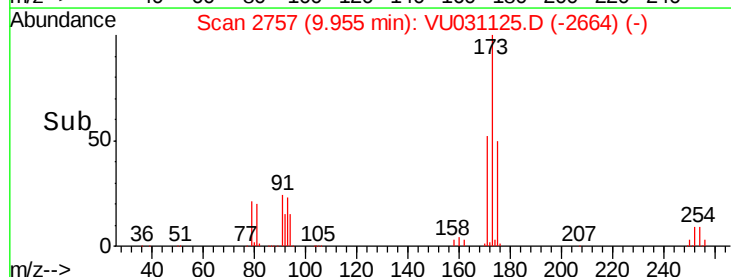
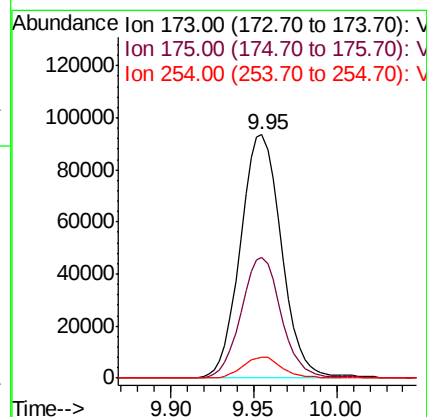
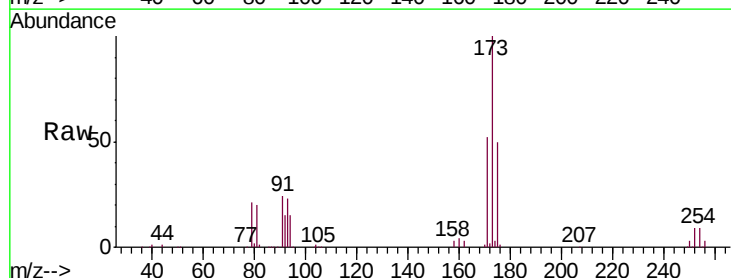
Tgt Ion: 173 Resp: 160758

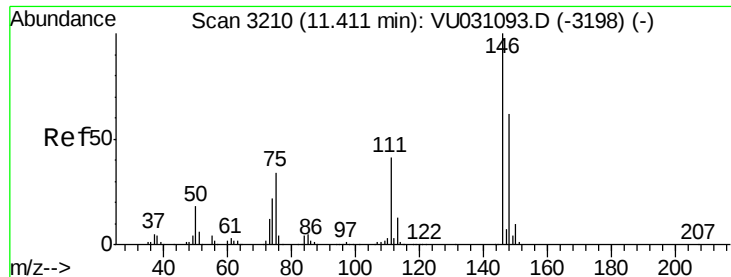
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 8.3 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 50.010 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

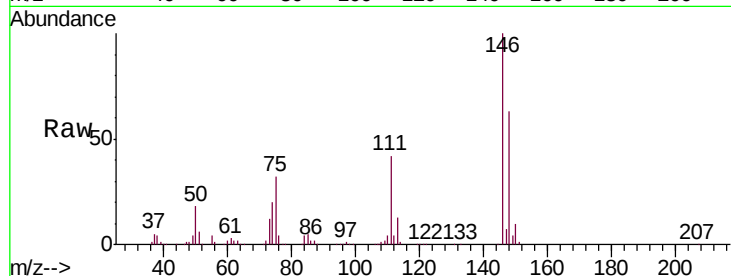
Tgt Ion:146 Resp: 379477

Ion Ratio Lower Upper

146 100

111 41.6 30.9 57.5

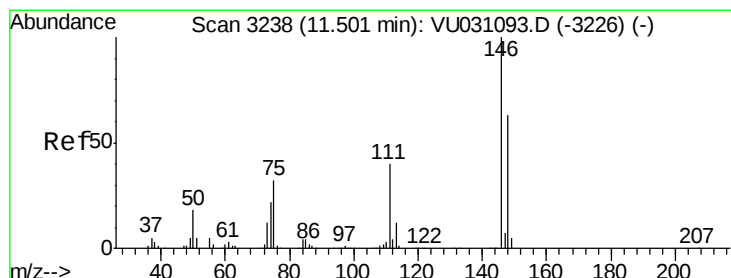
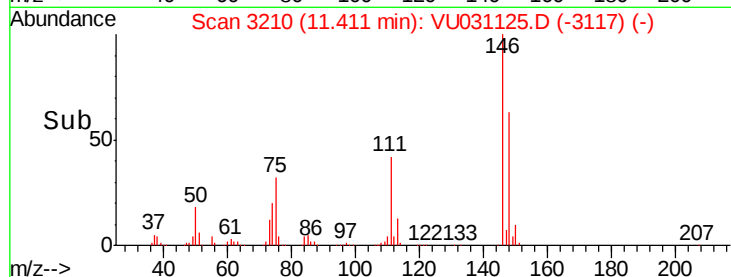
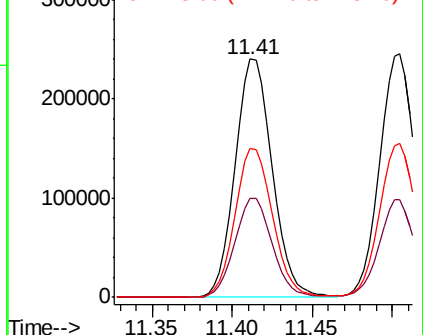
148 62.7 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.528 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

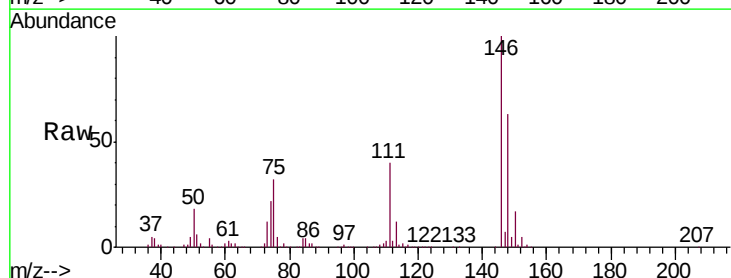
Tgt Ion:146 Resp: 389990

Ion Ratio Lower Upper

146 100

111 39.9 27.7 51.5

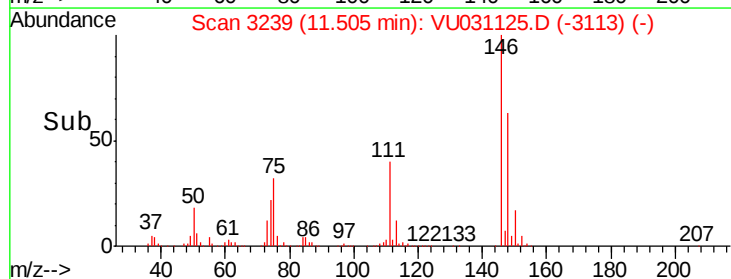
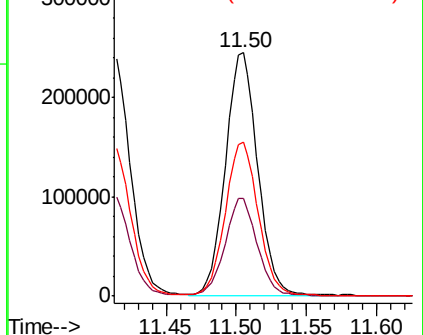
148 63.0 45.4 84.4

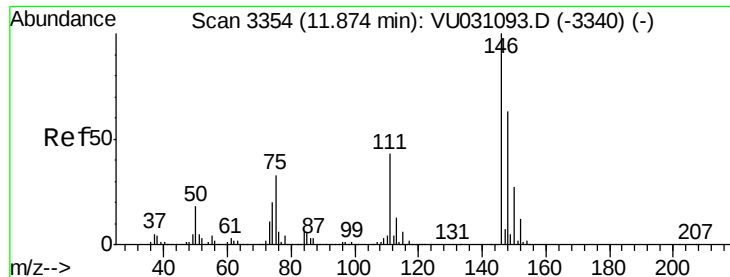


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

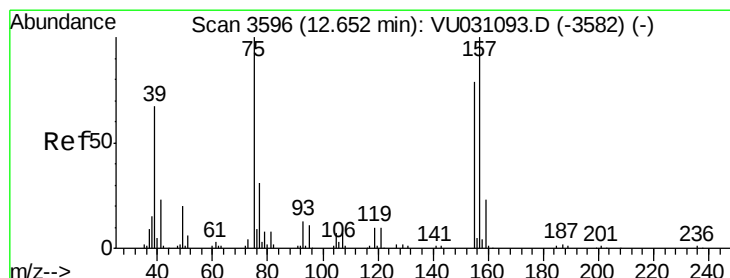
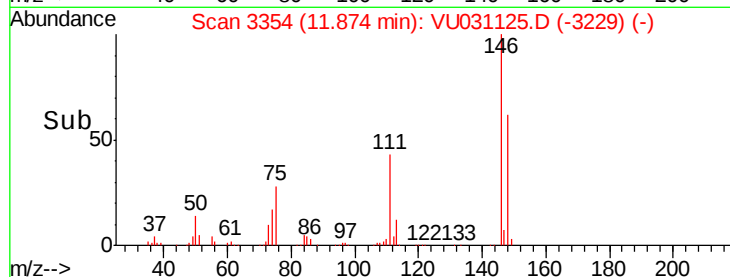
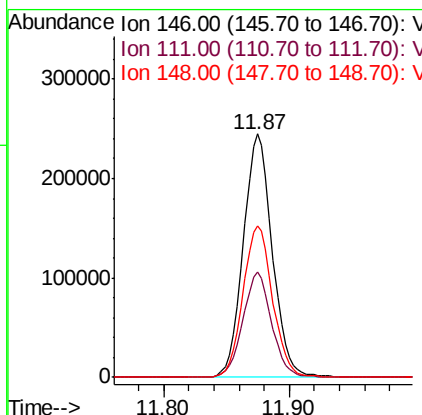
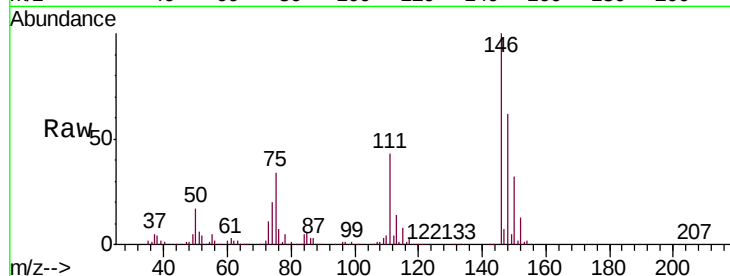




#65
 1,2-Dichlorobenzene
 Concen: 51.767 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

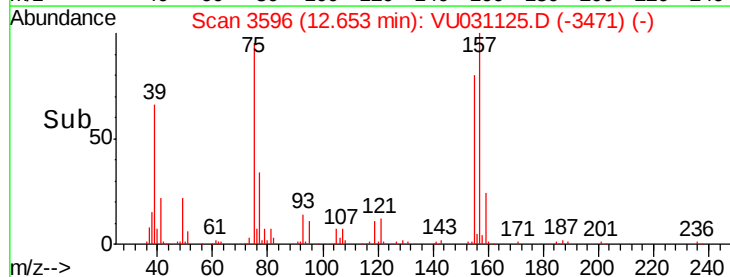
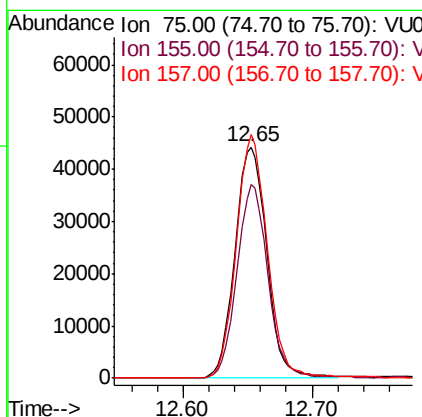
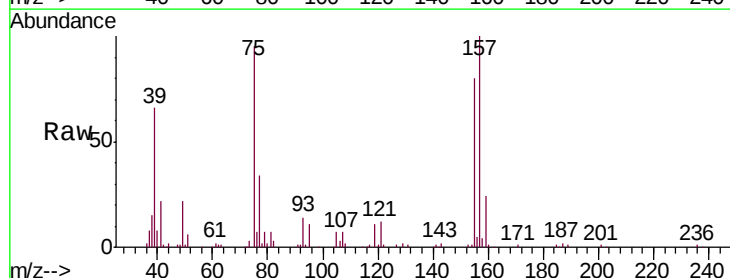
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

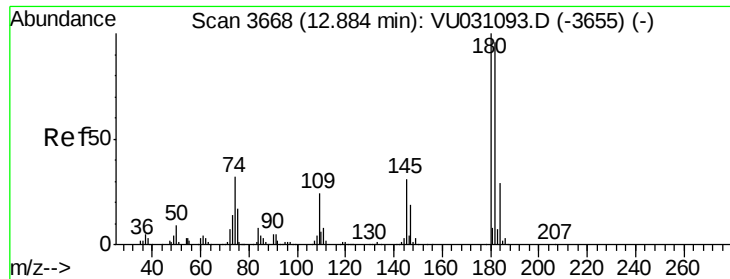
Tgt Ion: 146 Resp: 394019
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.9 52.3
 148 62.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.000 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

Tgt Ion: 75 Resp: 76048
 Ion Ratio Lower Upper
 75 100
 155 83.9 64.1 96.1
 157 105.4 80.6 120.8

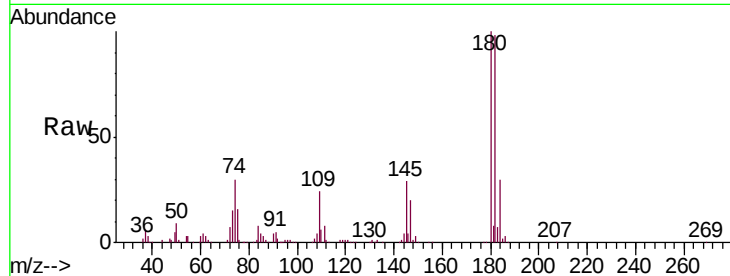




#67
 1,3,5-Trichlorobenzene
 Concen: 50.533 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	78.3	117.5
184	30.0	24.7	37.1
145	30.0	24.2	36.4



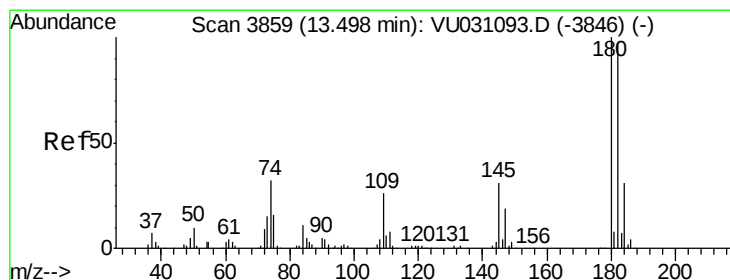
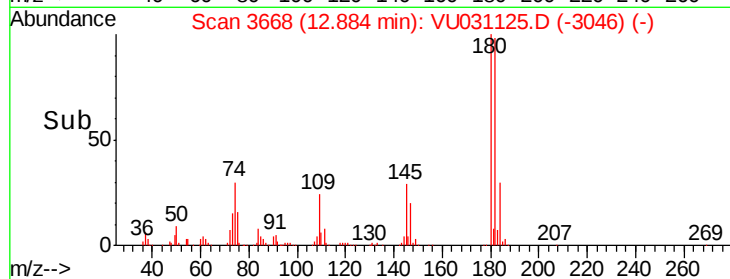
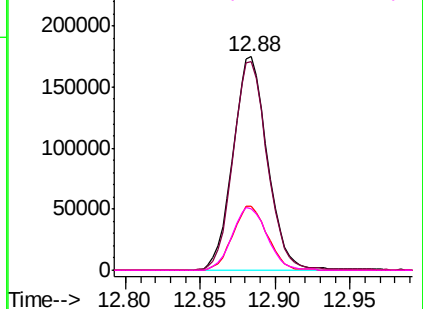
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

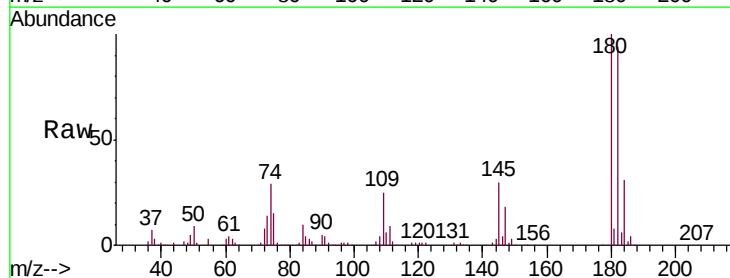
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.675 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031125.D
 Acq: 12 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	30.5	24.4	36.6

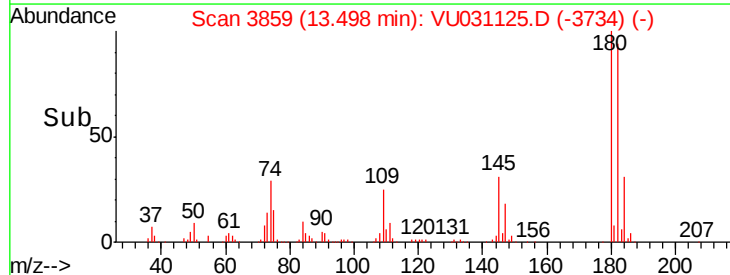
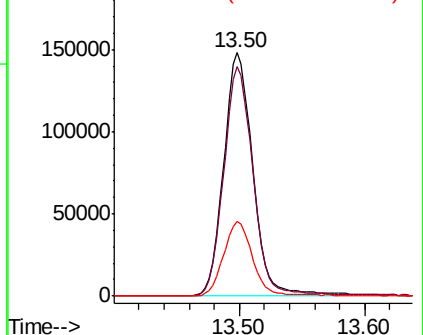


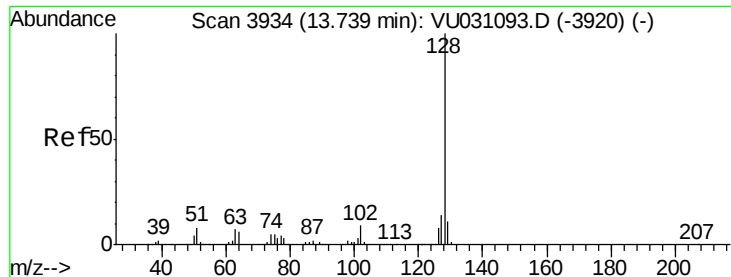
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.490 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

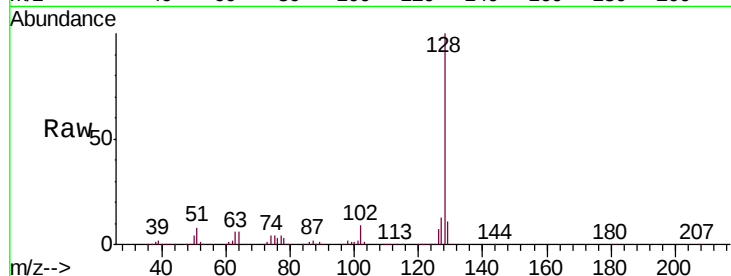
Tgt Ion:128 Resp: 771723

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

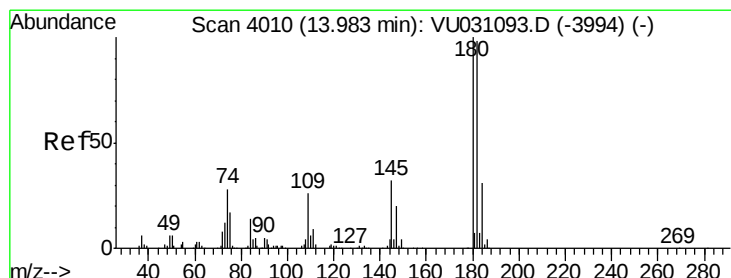
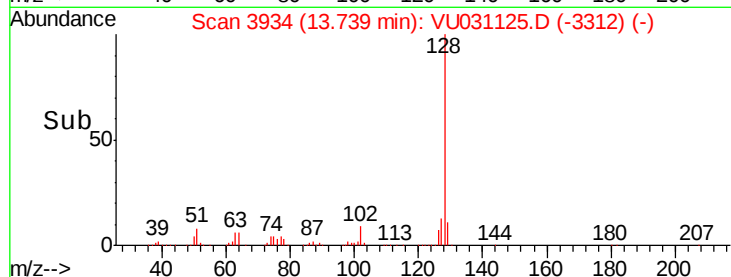
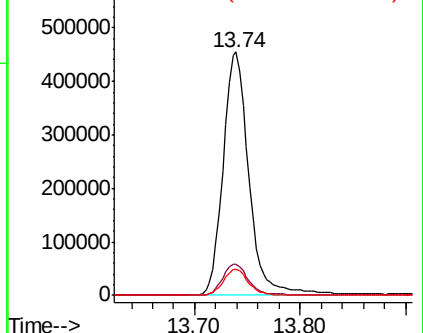
129 10.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.799 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031125.D

Acq: 12 Apr 2019 13:13

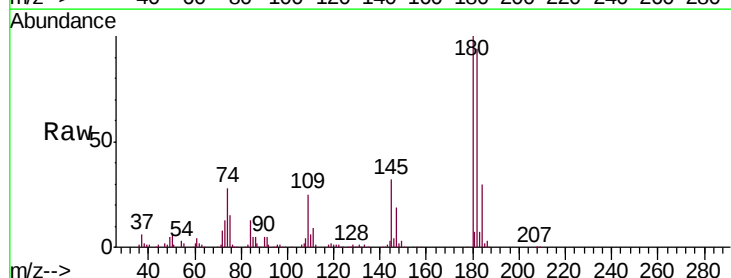
Tgt Ion:180 Resp: 255169

Ion Ratio Lower Upper

180 100

182 95.3 78.1 117.1

145 32.2 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

